

Purchase Area Occupational Outlook to 2010

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Education Cabinet
Department for Employment Services
Frankfort, Kentucky 40621

PURCHASE AREA OCCUPATIONAL OUTLOOK TO 2010

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PREFACE

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within R&S developed the projections and this publication.

The Kentucky Occupational Employment Statistics (OES) survey of Kentucky employers provided the occupational employment data used in the study. This is a statewide survey of approximately 20,000 employers, over a three-year period, representing the various industries in Kentucky. The employment data used to project industries to the year 2010 were based on the Current Employment Statistic (CES) and the Employment and Earnings (ES-202) programs. The projected total growth in each Area Development District (ADD) was based on employment data from 1971 through 2000 developed from the Local Area Unemployment Statistics (LAUS) program. Data from all of the above programs were used to develop the occupational outlook to 2010 publications for each Area Development Districts listed below:

| | |
|-------------------------------|---|
| ADD 1-Purchase Area | ADD 8&9-Buffalo Trace and Gateway Areas |
| ADD 2-Pennyriple Area | ADD 10-FIVCO Area |
| ADD 3-Green River Area | ADD 11-Big Sandy Area |
| ADD 4-Barren River Area | ADD 12-Kentucky River Area |
| ADD 5-Lincoln Trail Area | ADD 13-Cumberland Valley Area |
| ADD 6-Louisville (KIPDA) Area | ADD 14-Lake Cumberland Area |
| ADD 7-Northern Kentucky Area | ADD 15-Bluegrass Area |

The projections and this publication are funded by the U.S. Department of Labor (USDOL), Employment and Training Administration. The national industry and occupational projections developed by the U. S. Department of Labor's Bureau of Labor Statistics were used in the process to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the occupational projections. Special thanks go to the Kentucky employers who completed the questionnaires that provided the employment information necessary for this effort.

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INTRODUCTION

Which jobs will be in demand in the Purchase Area from now until the year 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest and which are likely to decline from 2000 to 2010? The *Purchase Area Occupational Outlook to 2010* offers some insight into these often asked questions. Students, job seekers, counselors and others should find this report helpful.

This report contains highlights and a user's guide to occupational statistics that provide answers to frequently asked questions regarding the statistics. Also included are tables of the top 45 Purchase Area occupations with the most annual job openings and the 44 fastest-growing Purchase Area occupations. The Purchase Area Occupational Employment Outlook and Job Openings tables beginning on page 9 provides occupational employment projections for a variety of occupations. This table also presents, for each of these occupations, the number and percentage of expected change in employment and the average number of annual job openings for the period of 2000 to 2010.

While this study provides projections of occupational trends and job openings in the Purchase Area, it should be stressed that the estimates are subject to the limitations that are a part of any effort to determine future conditions. It is impossible to predict what the Purchase Area will look like in 2010. The projections of long-term trends into the future, however, should provide valuable insight into the likely magnitude of occupational growth or decline in the area. The projections have been carefully prepared using accepted methods within a framework of national, state and area assumptions. They will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2000 through 2010. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

With a projected tighter labor market resulting from Kentucky's labor force growing more slowly than employment, along with the structural and technological changes that are taking place in all industries, the development and utilization of our human resources have become a top priority for all those concerned with employment training. Education and training programs that can meet the needs of employers today and in the future will take on even greater importance. To meet this challenge, it is crucial that education and training planners, business, labor, government and job seekers have the necessary occupational information to assist them in making informed, intelligent decisions in the development of these education and training programs as well as individual career choice. This publication was designed to assist users in these tasks.

NOTE: These 2000-2010 projections use the new Standard Occupational Classification (SOC) system, while prior versions of projections used the Occupational Employment Statistics (OES) codes for classifying occupations. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different. Several major groups have been renamed, combined, or reorganized. Some individual occupations also have been renamed or classified within different major groups. Some occupations are no longer listed, while newer occupations are listed for the first time with the SOC system. Because of these changes, the 2000-2010 projections are not comparable with earlier sets of projections. Information of the SOC system can be obtained at the U.S. Bureau of Labor Statistics SOC Home Page at <http://www.bls.gov/soc/home.htm>.

HIGHLIGHTS

- ✓ Purchase Area employment is expected to grow from 100,096 to 113,957 between 2000 and 2010, a gain of 13.9 percent.
- ✓ Between 2000 and 2010, the total annual job openings are expected to be about 3,840.
- ✓ Growth in employment will make available about 1,386 job openings annually.
- ✓ Approximately 2,454 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Approximately 36 percent of job openings will result from growth, and the remaining 64 percent will result from separations from the labor force.
- ✓ The greatest number of job openings will be in the Sales and Related Occupations (574) followed by the Office and Administrative Support Occupations (502) and the Food Preparation and Serving Related Occupations (334).
- ✓ Particular Occupations with the largest percentage of change from 2000 to 2010 in the Purchase Area are Desktop Publishers (119%), Financial Service Sales Agents (100%), Network Systems and Data Communications Analysts (84%) and Veterinary Technologists and Technicians (79%).
- ✓ The largest growth rates between 2000 and 2010 are expected to be in the Computer and Mathematical Occupations (42%), the Healthcare Support Occupations (34%), and the Legal Occupations (28%).
- ✓ The top two Purchase Area occupations with the most annual job openings are Retail Salespersons (215) and Cashiers (188).

A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?

- 1) Total average annual job openings and
- 2) Employment change expressed as a percentage

The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.

What creates job openings?

- 1) Employment growth (new jobs)
- 2) Employment separations (job vacancies created by persons separating from an occupation)

What causes employment change?

Industrial growth or decline has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.

Technological change can raise the demand for some skills while eliminating the need for others. As this shift is going on, demand in the industry as a whole may be rising or falling.

New ways of doing business such as self-service, out-sourcing, or 24-hour operations can affect employment change.

Then what about employment separations?

Employment separations are still important when evaluating an occupation's potential outlook. Job openings are created by persons separating from an occupation because of retirements, promotions into different occupations, career changes, or deaths. In many instances, the number of employment separations exceeds new jobs.

Do workers tend to leave one occupation more than another?

Every occupation has a different rate of employment separations. Those occupations that require much education and training and/or have a high percentage of full-time workers tend to have low separation rates. But occupations that require little education and/or training tend to have higher separation rates.

What factors affect the number of job openings for an occupation?

- 1) The overall size of the occupation: How many workers are employed already?
- 2) The occupation's separation rate: How many job vacancies are created from workers separating from the occupation?
- 3) The occupation's rate of change: How fast is it growing or declining?

Which factor is more important?

Size of employment and separation rate are more important than rate of change in affecting the number of job openings.

What is the best way to compare one occupation with another?

- 1) Look at the total average annual job openings, not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.
- 2) Look at the employment change expressed as a percentage. A high percentage increase in employment means that there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

**Top 45
Purchase Area Occupations With The Most Annual Job Openings**

| Job Openings | | |
|-----------------------|--|--|
| Average Annual | | |
| 2000-2010 | | |

| Occupation Code | Occupational Title | Growth | Separations | Total |
|--|---|---------------|--------------------|--------------|
| <u>Management Occupations</u> | | | | |
| 11-1021 | General and Operations Managers | 40 | 33 | 73 |
| <u>Community and Social Service Occupations</u> | | | | |
| 21-1093 | Social and Human Service Assistants | 19 | 4 | 23 |
| <u>Education, Training and Library Occupations</u> | | | | |
| 25-9041 | Teacher Assistants | 15 | 15 | 30 |
| 25-2021 | Elementary School Teachers, Ex. Special Education | 9 | 20 | 29 |
| 25-2031 | Secondary School Teachers, Ex. Special and Vocational Ed. | 8 | 16 | 24 |
| 25-1194 | Vocational Education Teachers, Postsecondary | 11 | 8 | 19 |
| <u>Art, Design, Entertainment, Sports and Media Occupations</u> | | | | |
| 27-2042 | Musicians and Singers | 21 | 18 | 39 |
| <u>Healthcare Practitioners and Technical Occupations</u> | | | | |
| 29-1111 | Registered Nurses | 27 | 33 | 60 |
| 29-2061 | Licensed Practical and Licensed Vocational Nurses | 5 | 18 | 23 |
| <u>Healthcare Support Occupations</u> | | | | |
| 31-1012 | Nursing Aides, Orderlies, and Attendants | 12 | 16 | 28 |
| 31-1011 | Home Health Aides | 19 | 3 | 22 |
| <u>Food Preparation and Serving Workers</u> | | | | |
| 35-3021 | Combined Food Preparation and Serving Workers | 33 | 153 | 186 |
| 35-3031 | Waiters and Waitresses | 2 | 50 | 52 |
| 35-2014 | Cooks, Restaurant | 4 | 18 | 22 |
| 35-2012 | Cooks, Institution and Cafeteria | 1 | 18 | 19 |
| <u>Building and Grounds, Cleaning and Maintenance Occupations</u> | | | | |
| 37-2011 | Janitors and Cleaners | 29 | 27 | 56 |
| 37-2012 | Maids and Housekeeping Cleaners | 11 | 24 | 35 |
| 37-3011 | Landscaping and Groundskeeping Workers | 16 | 13 | 29 |

Top 45
Purchase Area Occupations With The Most Annual Job Openings (cont'd)

| Occupation Code | Occupational Title | Job Openings | | |
|--|--|-------------------------------------|---------------------------|---------------------|
| | | Average Annual 2000-2010 | | |
| | | <u>Growth</u> | <u>Separations</u> | <u>Total</u> |
| <u>Personal Care and Service Occupations</u> | | | | |
| 39-9011 | Child Care Workers | 55 | 103 | 158 |
| <u>Sales and Related Occupations</u> | | | | |
| 41-2031 | Retail Salespersons | 85 | 130 | 215 |
| 41-2011 | Cashiers | 61 | 127 | 188 |
| 41-1011 | First-Line Supervisors/Managers of Retail Sales Workers | 25 | 15 | 40 |
| 41-4012 | Sales Representatives, Wholesale and Manufacturing | 9 | 19 | 28 |
| 41-2021 | Counter and Rental Clerks | 5 | 17 | 22 |
| <u>Office and Administrative Support Occupations</u> | | | | |
| 43-5081 | Stock Clerks and Order Fillers | 18 | 42 | 60 |
| 43-4051 | Customer Service Representatives | 45 | 7 | 52 |
| 43-9061 | Office Clerks, General | 0 | 48 | 48 |
| 43-4171 | Receptionists and Information Clerks | 26 | 16 | 42 |
| 43-6014 | Secretaries, Except Legal, Medical, and Executive | 6 | 31 | 37 |
| 43-1011 | First-Line Supervisors/Managers of Office and Administrative | 15 | 16 | 31 |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 9 | 22 | 31 |
| 43-6011 | Executive Secretaries and Administrative Assistants | 11 | 15 | 26 |
| 43-3021 | Billing and Posting Clerks and Machine Operators | 11 | 12 | 23 |
| 43-3071 | Tellers | 2 | 20 | 22 |
| 43-5071 | Shipping, Receiving, and Traffic Clerks | 9 | 9 | 18 |
| <u>Constructing and Extraction Occupations</u> | | | | |
| 47-2031 | Carpenters | 18 | 12 | 30 |
| <u>Installation, Maintenance and Repair Occupations</u> | | | | |
| 49-3023 | Automotive Service Technicians and Mechanics | 10 | 9 | 19 |
| <u>Production Occupations</u> | | | | |
| 51-1011 | First-Line Supervisors/Managers of Production and Operating | 1 | 21 | 22 |
| 51-9011 | Chemical Equipment Operators and Tenders | 10 | 11 | 21 |
| 51-8091 | Chemical Plant and System Operators | 0 | 18 | 18 |
| <u>Transportation and Material Moving Occupations</u> | | | | |
| 53-7062 | Laborers and Freight, Stock, and Material Movers | 18 | 52 | 70 |
| 53-3032 | Truck Drivers, Heavy and Tractor-Trailer | 32 | 24 | 56 |
| 53-3033 | Truck Drivers, Light or Delivery Services | 13 | 16 | 29 |
| 53-5011 | Sailors and Marine Oilers | 0 | 25 | 25 |
| 53-7064 | Packers and Packagers | 6 | 15 | 21 |

**Top 44
Fast-Growing Purchase Area Occupations**

| Occupation Code | Occupational Title | Fast Growing Occupations | | | | Total |
|---|--|--------------------------|-----------|---------------------|---------|-----------------------------|
| | | Actual | Projected | Change | | Job Openings |
| | | 2000 | 2010 | 2000-2010 Number | Percent | Average Annual 2000-2010 |
| <u>Mangement Occupations</u> | | | | | | |
| 11-3021 | Computer and Information Systems Managers | 74 | 105 | 31 | 41.9 | 4 |
| 11-2022 | Sales Managers | 119 | 168 | 49 | 41.2 | 7 |
| 11-9031 | Education Admin. Preschool and Primary | 32 | 45 | 13 | 40.6 | 2 |
| <u>Computer and Math Occupations</u> | | | | | | |
| 15-1081 | Network Systems and Data Comm. Analysts | 32 | 59 | 27 | 84.4 | 3 |
| 15-1041 | Computer Support Specialists | 148 | 258 | 110 | 74.3 | 12 |
| 15-1071 | Network and Computer Systems Admin. | 87 | 138 | 51 | 58.6 | 5 |
| <u>Architectural and Engineering Occupations</u> | | | | | | |
| 17-3031 | Surveying and Mapping Technicians | 93 | 160 | 67 | 72.0 | 10 |
| 17-3011 | Architectural and Civil Drafters | 106 | 168 | 62 | 58.5 | 9 |
| 17-3023 | Electrical and Electronic Engineering Tech. | 165 | 222 | 57 | 34.5 | 9 |
| 17-2051 | Civil Engineers | 166 | 221 | 55 | 33.1 | 9 |
| <u>Life, Physical and Social Science Occupations</u> | | | | | | |
| 19-3031 | Clinical, Counseling, and School Psychologists | 108 | 149 | 41 | 38.0 | 7 |
| <u>Community and Social Service Occupations</u> | | | | | | |
| 21-1093 | Social and Human Service Assistants | 274 | 460 | 186 | 67.9 | 23 |
| 21-1022 | Medical and Public Health Social Workers | 54 | 74 | 20 | 37.0 | 3 |
| <u>Legal Occupations</u> | | | | | | |
| 23-2011 | Paralegals and Legal Assistants | 42 | 59 | 17 | 40.5 | 2 |
| 23-1011 | Lawyers | 166 | 226 | 60 | 36.1 | 7 |
| <u>Education, Training and Library Occupations</u> | | | | | | |
| 25-1194 | Vocational Education Teachers, Postsecondary | 287 | 399 | 112 | 39.0 | 19 |
| 25-2041 | Special Ed. Teachers, Preschool and Primary | 107 | 142 | 35 | 32.7 | 5 |
| <u>Healthcare Practitioners and Technical Occupations</u> | | | | | | |
| 29-2056 | Veterinary Technologists and Technicians | 56 | 100 | 44 | 78.6 | 6 |
| 29-1071 | Physician Assistants | 42 | 72 | 30 | 71.4 | 4 |
| 29-2041 | EMT and Paramedics | 153 | 248 | 95 | 62.1 | 14 |
| 29-1122 | Occupational Therapists | 126 | 201 | 75 | 59.5 | 11 |
| 29-1123 | Physical Therapists | 157 | 248 | 91 | 58.0 | 13 |
| 29-2071 | Medical Records and Health Information Tech. | 106 | 154 | 48 | 45.3 | 7 |
| 29-1127 | Speech-Language Pathologists | 96 | 138 | 42 | 43.8 | 6 |
| 29-1063 | Internists, General | 165 | 218 | 53 | 32.1 | 7 |

**Top 44
Fast-Growing Purchase Area Occupations (cont'd)**

| Occupation Code | Occupational Title | Fast Growing Occupations | | | | Total |
|---|--|--------------------------|-------------------|--------------------------------|-------|-----------------------------|
| | | Employment | | Change | | Job Openings |
| | | Actual 2000 | Projected 2010 | 2000-2010 Number Percent | | Average Annual 2000-2010 |
| <u>Healthcare Support Occupations</u> | | | | | | |
| 31-1011 | Home Health Aides | 243 | 433 | 190 | 78.2 | 22 |
| 31-9092 | Medical Assistants | 500 | 840 | 340 | 68.0 | 47 |
| 31-2021 | Physical Therapist Assistants | 94 | 145 | 51 | 54.3 | 8 |
| 31-9091 | Dental Assistants | 207 | 319 | 112 | 54.1 | 15 |
| 31-2022 | Physical Therapist Aides | 41 | 60 | 19 | 46.3 | 3 |
| <u>Personal Care and Service Occupations</u> | | | | | | |
| 39-2021 | Nonfarm Animal Caretakers | 45 | 66 | 21 | 46.7 | 3 |
| <u>Sales and Related Occupations</u> | | | | | | |
| 41-3031 | Financial Services Sales Agents | 42 | 84 | 42 | 100.0 | 4 |
| 41-9041 | Telemarketers | 198 | 328 | 130 | 65.7 | 17 |
| <u>Office and Administrative Support Occupations</u> | | | | | | |
| 43-9031 | Desktop Publishers | 31 | 68 | 37 | 119.4 | 5 |
| 43-4051 | Customer Service Representatives | 792 | 1,244 | 452 | 57.1 | 52 |
| 43-4171 | Receptionists and Information Clerks | 707 | 962 | 255 | 36.1 | 42 |
| <u>Construction and Extraction Occupations</u> | | | | | | |
| 47-4041 | Hazardous Materials Removal Workers | 106 | 152 | 46 | 43.4 | 8 |
| <u>Installation, Maintenance and Repair Occupations</u> | | | | | | |
| 49-3042 | Mobile Heavy Equipment Mechanics | 59 | 85 | 26 | 44.1 | 5 |
| 49-9051 | Electrical Power-Line Installers and Repairers | 156 | 221 | 65 | 41.7 | 12 |
| 49-3021 | Automotive Body and Related Repairers | 135 | 189 | 54 | 40.0 | 8 |
| 49-9062 | Medical Equipment Repairers | 35 | 47 | 12 | 34.3 | 2 |
| 49-3093 | Tire Repairers and Changers | 90 | 119 | 29 | 32.2 | 6 |
| <u>Transportation and Material Moving Occupations</u> | | | | | | |
| 53-7032 | Excavating, Loading Machine and Dragline Op. | 35 | 50 | 15 | 42.9 | 3 |
| 53-1021 | First-Line Supervisors of Helpers and Laborers | 108 | 145 | 37 | 34.3 | 6 |

Explanation of Data Elements on the Occupational Outlook Table

Occupational Employment Outlook and Job Openings

| Occupational | | Employment 2000 2010 | | Job Growth 2000 2010 | | Average Annual Job Openings | | | Average Wage | Education/ Training Required * |
|---|-------|--|-----------|--|---------|--|-------------|-------|---|--|
| Code | Title | Estimated | Projected | Number | Percent | Growth | Separations | Total | 2001 | |
| <p>• Occupational Codes and Titles used in this report are based on the <i>Standard Occupational Coding (SOC)</i> Structure.</p> <p>NOTE:</p> <p><i>Alphabetical listing beginning on page 34 should help locate a specific occupation within the tables.</i></p> | | <p>• Estimated 2000 employment is based on the <i>Occupational Employment Statistics (OES)</i> Survey of employers.</p> <p>• Projected 2010 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2000 and 2010.</p> <p>NOTE:</p> <p><i>The Occupational employment estimates for 2000 to 2010 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</i></p> | | <p>• Number - The total number of jobs in an occupation gained or lost over the 2000 to 2010 period.</p> <p>• Percent - Percent change in employment in an occupation over the ten year period.</p> <p>NOTE:</p> <p><i>In Kentucky, 16.0 percent job growth between 2000 and 2010 is the average growth for all occupations.</i></p> <p><i>An occupation is expected to experience:</i></p> <ol style="list-style-type: none"> 1) <i>average growth if percent change is between 12 to 18%;</i> 2) <i>very fast growth if > 30%;</i> 3) <i>fast growth if >18% < 30%;</i> 4) <i>slow growth if >5% <12%;</i> 5) <i>very slow growth if >0% <5%;</i> 6) <i>negative or declining growth <0%.</i> | | <p>• Growth openings provide estimates of the average number of job openings expected to occur each year between 2000 and 2010 that result from employment growth.</p> <p>• Separation openings provide estimates of the average number of job openings expected to occur each year in an occupation, resulting from workers separating or leaving the occupation for such reasons as retirement, promotion, or simply transferring among occupations. Such separations would require replacement workers.</p> <p>• Total openings provide estimates of the total number of job openings expected each year from employment growth or job separations.</p> <p>NOTE:</p> <p><i>If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.</i></p> | | | <p>• Average wage in this report always refers to the 2001 mean average hourly wage.</p> <p>NOTE</p> <p><i>Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5 and average hours worked per week was 40.</i></p> | <p>• Education and Training Levels Usually Required were developed by the Bureau of Labor Statistics and grouped into eleven levels (1-11).</p> <p>*NOTE</p> <p><i>The various levels are described in detail on page 33 of this report.</i></p> |

Purchase Area

Management Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average | Educ/ |
|--------------------------------|--|-------------|-----------|-----------|---------|--------------------------|-------------|-------|---------|----------|
| Code | Title | 2000 | 2010 | 2000-2010 | | Average Annual 2000-2010 | | | Wage | Training |
| | | Estimated | Projected | Number | Percent | Growth | Separations | Total | 2001 | Req'd~ |
| 00-0000 Total, All Occupations | | 100,096 | 113,957 | 13,861 | 13.8 | 1,386 | 2,454 | 3,840 | n/a | n/a |
| 11-0000 Management Occupations | | 8,676 | 9,414 | 738 | 8.5 | 74 | 135 | 209 | n/a | n/a |
| 11-1000 | Top Executives | 2,176 | 2,612 | 436 | 20.0 | 44 | 40 | 84 | n/a | n/a |
| 11-1011 | Chief Executives | 242 | 281 | 39 | 16.1 | 4 | 8 | 12 | \$51.97 | 4 |
| 11-1021 | General and Operations Managers | 1,934 | 2,331 | 397 | 20.5 | 40 | 33 | 73 | \$25.74 | 4 |
| 11-2000 | Advertising, Marketing, P.R., and Sales | 288 | 385 | 97 | 33.7 | 10 | 4 | 14 | n/a | n/a |
| 11-2011 | Advertising and Promotions Managers | 53 | 70 | 17 | 32.1 | 2 | 1 | 3 | \$22.15 | 4 |
| 11-2021 | Marketing Managers | 74 | 97 | 23 | 31.1 | 2 | 1 | 3 | \$33.28 | 4 |
| 11-2022 | Sales Managers | 119 | 168 | 49 | 41.2 | 5 | 2 | 7 | \$30.18 | 4 |
| 11-2031 | Public Relations Managers | 42 | 50 | 8 | 19.0 | 1 | 1 | 2 | \$21.43 | 4 |
| 11-3000 | Operations Specialties Managers | 978 | 1,119 | 141 | 14.4 | 14 | 18 | 32 | n/a | n/a |
| 11-3011 | Administrative Services Managers | 114 | 134 | 20 | 17.5 | 2 | 2 | 4 | \$23.25 | 4 |
| 11-3021 | Computer & Info. Systems Managers | 74 | 105 | 31 | 41.9 | 3 | 1 | 4 | \$29.61 | 4 |
| 11-3031 | Financial Managers | 292 | 353 | 61 | 20.9 | 6 | 5 | 11 | \$26.82 | 4 |
| 11-3040 | Human Resources Managers | 96 | 101 | 5 | 5.2 | 1 | 2 | 3 | \$27.47 | 4 |
| 11-3051 | Industrial Production Managers | 142 | 142 | 0 | 0.0 | 0 | 2 | 2 | \$32.38 | 5 |
| 11-3061 | Purchasing Managers | 119 | 109 | -10 | -8.4 | 0 | 4 | 4 | \$23.78 | 4 |
| 11-3071 | Transportation and Distribution Managers | 141 | 175 | 34 | 24.1 | 3 | 2 | 5 | \$24.24 | 8 |
| 11-9000 | Other Management Occupations | 5,234 | 5,298 | 64 | 1.2 | 6 | 73 | 79 | n/a | n/a |
| 11-9012 | Farmers and Ranchers | 1,692 | 1,394 | -298 | -17.6 | 0 | 10 | 10 | n/a | 9 |
| 11-9021 | Construction Managers | 160 | 185 | 25 | 15.6 | 3 | 3 | 6 | \$29.41 | 5 |
| 11-9031 | Education Admin., Preschool and Primary | 32 | 45 | 13 | 40.6 | 1 | 1 | 2 | \$19.15 | 4 |
| 11-9032 | Education Admin., Elem. and Secondary | 141 | 156 | 15 | 10.6 | 2 | 4 | 6 | n/a | 4 |
| 11-9041 | Engineering Managers | 81 | 80 | -1 | -1.2 | 0 | 1 | 1 | \$36.60 | 4 |
| 11-9051 | Food Service Managers | 152 | 155 | 3 | 2.0 | 0 | 2 | 2 | \$14.26 | 8 |
| 11-9111 | Medical and Health Services Managers | 187 | 225 | 38 | 20.3 | 4 | 3 | 7 | \$27.09 | 4 |
| 11-9131 | Postmasters and Mail Superintendents | 44 | 37 | -7 | -15.9 | 0 | 1 | 1 | \$21.19 | 8 |
| 11-9141 | Real Estate & Community Assn. Managers | 40 | 48 | 8 | 20.0 | 1 | 1 | 2 | \$14.00 | 5 |
| 11-9151 | Social and Community Service Managers | 101 | 127 | 26 | 25.7 | 3 | 2 | 5 | \$14.36 | 5 |
| 11-9199 | Managers, All Other | 2,409 | 2,638 | 229 | 9.5 | 23 | 43 | 66 | \$29.63 | 8 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Business & Financial Operations Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 13-0000 | Business & Financial Operations Occs. | 2,014 | 2,238 | 224 | 11.1 | 22 | 40 | 62 | n/a | n/a |
| 13-1000 | Business Operations Specialists | 1,000 | 1,055 | 55 | 5.5 | 6 | 22 | 28 | n/a | n/a |
| 13-1022 | Wholesale & Retail Buyers, Ex. Farm Prod. | 72 | 70 | -2 | -2.8 | 0 | 2 | 2 | \$16.29 | 5 |
| 13-1023 | Purch. Agents, Ex. Wholesale, Retail | 164 | 163 | -1 | -0.6 | 0 | 3 | 3 | \$18.80 | 5 |
| 13-1041 | Compliance Offic., Ex. Ag., Const. & Health | 88 | 87 | -1 | -1.1 | 0 | 2 | 2 | \$17.36 | 9 |
| 13-1051 | Cost Estimators | 159 | 168 | 9 | 5.7 | 1 | 4 | 5 | \$18.51 | 5 |
| 13-1071 | Employment, Recruit. & Placement Spec. | * | * | * | * | * | * | * | \$18.81 | 5 |
| 13-1072 | Compensation, Benefits & Job Analysis | 32 | 34 | 2 | 6.3 | 0 | 1 | 1 | \$17.67 | 5 |
| 13-1073 | Training and Development Specialists | 59 | 74 | 15 | 25.4 | 2 | 1 | 3 | \$19.68 | 5 |
| 13-1199 | Business Operations Specialists, All Other | 299 | 321 | 22 | 7.4 | 2 | 8 | 10 | \$23.93 | 5 |
| 13-2000 | Financial Specialists | 1,014 | 1,183 | 169 | 16.7 | 17 | 18 | 35 | n/a | n/a |
| 13-2011 | Accountants and Auditors | 449 | 529 | 80 | 17.8 | 8 | 7 | 15 | \$18.53 | 5 |
| 13-2072 | Loan Officers | 360 | 401 | 41 | 11.4 | 4 | 7 | 11 | \$16.34 | 5 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Computer & Mathematical Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---------------------------------------|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 15-0000 | Computer and Mathematical Occupations | 514 | 730 | 216 | 42.0 | 22 | 5 | 27 | n/a | n/a |
| 15-1000 | Computer Specialists | 513 | 729 | 216 | 42.1 | 22 | 5 | 27 | n/a | n/a |
| 15-1021 | Computer Programmers | 127 | 125 | -2 | -1.6 | 0 | 3 | 3 | \$21.61 | 5 |
| 15-1041 | Computer Support Specialists | 148 | 258 | 110 | 74.3 | 11 | 1 | 12 | \$12.27 | 6 |
| 15-1061 | Database Administrators | * | * | * | * | * | * | * | \$14.76 | 5 |
| 15-1071 | Network and Computer Systems Admin. | 87 | 138 | 51 | 58.6 | 5 | 0 | 5 | \$18.84 | 5 |
| 15-1081 | Network Systems & Data Comm. Analysts | 32 | 59 | 27 | 84.4 | 3 | 0 | 3 | \$14.86 | 5 |
| 15-1099 | Computer Specialists, All Other | * | * | * | * | * | * | * | \$24.29 | 7 |
| 15-2000 | Mathematical Scientists | * | * | * | * | * | * | * | n/a | n/a |

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Architecture & Engineering Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 17-0000 | Architecture and Engineering Occs. | 1,600 | 2,043 | 443 | 27.7 | 44 | 35 | 79 | n/a | n/a |
| 17-1000 | Architects, Surveyors, and Cartographers | 112 | 159 | 47 | 42.0 | 5 | 3 | 8 | n/a | n/a |
| 17-2000 | Engineers | 716 | 790 | 74 | 10.3 | 7 | 14 | 21 | n/a | n/a |
| 17-2041 | Chemical Engineers | 95 | 108 | 13 | 13.7 | 1 | 2 | 3 | \$35.04 | 5 |
| 17-2051 | Civil Engineers | 166 | 221 | 55 | 33.1 | 6 | 3 | 9 | \$34.17 | 5 |
| 17-2071 | Electrical Engineers | 80 | 97 | 17 | 21.3 | 2 | 1 | 3 | \$30.48 | 5 |
| 17-2081 | Environmental Engineers | * | * | * | * | * | * | * | \$30.53 | 5 |
| 17-2111 | Health & Safety Engineers, Ex. Mining | * | * | * | * | * | * | * | \$23.63 | 5 |
| 17-2112 | Industrial Engineers | 41 | 36 | -5 | -12.2 | 0 | 1 | 1 | \$26.47 | 5 |
| 17-2141 | Mechanical Engineers | 107 | 122 | 15 | 14.0 | 2 | 3 | 5 | \$31.37 | 5 |
| 17-2161 | Nuclear Engineers | * | * | * | * | * | * | * | \$48.43 | 5 |
| 17-2199 | Engineers, All Other | * | * | * | * | * | * | * | \$30.80 | 5 |
| 17-3000 | Drafters, Engineering & Mapping Tech. | 772 | 1,094 | 322 | 41.7 | 32 | 19 | 51 | n/a | n/a |
| 17-3011 | Architectural and Civil Drafters | 106 | 168 | 62 | 58.5 | 6 | 3 | 9 | \$16.42 | 7 |
| 17-3013 | Mechanical Drafters | 49 | 58 | 9 | 18.4 | 1 | 2 | 3 | \$17.46 | 7 |
| 17-3022 | Civil Engineering Technicians | 155 | 198 | 43 | 27.7 | 4 | 3 | 7 | \$19.00 | 6 |
| 17-3023 | Electrical and Electronic Engineering Tech. | 165 | 222 | 57 | 34.5 | 6 | 3 | 9 | \$20.93 | 6 |
| 17-3026 | Industrial Engineering Technicians | * | * | * | * | * | * | * | \$20.86 | 6 |
| 17-3027 | Mechanical Engineering Technicians | * | * | * | * | * | * | * | \$16.36 | 6 |
| 17-3031 | Surveying and Mapping Technicians | 93 | 160 | 67 | 72.0 | 7 | 3 | 10 | \$12.22 | 10 |
| 17-3099 | Drafters, Engineering & Map. Tech., Other | 39 | 55 | 16 | 41.0 | 2 | 1 | 3 | \$20.00 | 6 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Life, Physical & Social Science Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 19-0000 | Life, Physical, and Social Science Occs. | 493 | 556 | 63 | 12.8 | 6 | 14 | 20 | n/a | n/a |
| 19-1000 | Life Scientists | 67 | 67 | 0 | 0.0 | 0 | 2 | 2 | n/a | n/a |
| 19-2000 | Physical Scientists | 126 | 134 | 8 | 6.3 | 1 | 4 | 5 | n/a | n/a |
| 19-2031 | Chemists | 62 | 63 | 1 | 1.6 | 0 | 2 | 2 | \$27.80 | 5 |
| 19-2041 | Environmental Sci. & Spec., Inc. Health | * | * | * | * | * | * | * | \$21.99 | 5 |
| 19-2043 | Hydrologists | * | * | * | * | * | * | * | \$29.77 | 5 |
| 19-2099 | Physical Scientists, All Other | * | * | * | * | * | * | * | \$33.93 | 5 |
| 19-3000 | Social Scientists and Related Workers | 126 | 168 | 42 | 33.3 | 4 | 3 | 7 | n/a | n/a |
| 19-3031 | Clinical, Counseling & School Psych. | 108 | 149 | 41 | 38.0 | 4 | 3 | 7 | \$17.00 | 3 |
| 19-4000 | Life, Physical & Social Science Tech. | 174 | 187 | 13 | 7.5 | 1 | 5 | 6 | n/a | n/a |
| 19-4031 | Chemical Technicians | * | * | * | * | * | * | * | \$19.49 | 6 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Community & Social Service Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage | Educ/ Training |
|--------------|---|-------------------|-------------------|-----------|---------|--------------------------|-------------|-------|--------------|----------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 | | Average Annual 2000-2010 | | | | |
| | | | | Number | Percent | Growth | Separations | Total | 2001 | Req'd~ |
| 21-0000 | Community and Social Services Occs. | 1,581 | 1,993 | 412 | 26.1 | 41 | 29 | 70 | n/a | n/a |
| 21-1000 | Counselors, Social Workers & Social Serv. | 1,001 | 1,311 | 310 | 31.0 | 31 | 14 | 45 | n/a | n/a |
| 21-1012 | Educational, Vocational, and School Couns. | 115 | 139 | 24 | 20.9 | 2 | 2 | 4 | \$21.95 | 3 |
| 21-1021 | Child, Family, and School Social Workers | 446 | 496 | 50 | 11.2 | 5 | 5 | 10 | \$13.81 | 5 |
| 21-1022 | Medical and Public Health Social Workers | 54 | 74 | 20 | 37.0 | 2 | 1 | 3 | \$16.11 | 5 |
| 21-1092 | Probation Officer & Correc. Treatment Spec. | 32 | 38 | 6 | 18.8 | 1 | 1 | 2 | n/a | 5 |
| 21-1093 | Social and Human Service Assistants | 274 | 460 | 186 | 67.9 | 19 | 4 | 23 | \$9.62 | 10 |
| 21-2000 | Religious Workers | 544 | 640 | 96 | 17.6 | 10 | 14 | 24 | n/a | n/a |
| 21-2021 | Directors, Religious Activities & Education | 69 | 82 | 13 | 18.8 | 1 | 1 | 2 | n/a | 5 |
| 21-9000 | Misc. Counselors, Social, & Relig. Workers | 36 | 42 | 6 | 16.7 | 1 | 1 | 2 | n/a | n/a |

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed
Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Legal Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|--------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 23-0000 | Legal Occupations | 250 | 320 | 70 | 28.0 | 7 | 2 | 9 | n/a | n/a |
| 23-1000 | Lawyers, Judges, and Related Workers | 176 | 234 | 58 | 33.0 | 6 | 1 | 7 | n/a | n/a |
| 23-1011 | Lawyers | 166 | 226 | 60 | 36.1 | 6 | 1 | 7 | \$24.98 | 1 |
| 23-1023 | Judges, Magistrate Judges & Magistrates | * | * | * | * | * | * | * | n/a | 4 |
| 23-2000 | Legal Support Workers | 57 | 70 | 13 | 22.8 | 1 | 0 | 1 | n/a | n/a |
| 23-2011 | Paralegals and Legal Assistants | * | * | * | * | * | * | * | \$15.07 | 6 |
| 23-9000 | Miscellaneous Legal & Related Workers | * | * | * | * | * | * | * | n/a | n/a |

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Education, Training & Library Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 25-0000 | Education, Training & Library Occs. | 5,792 | 6,972 | 1,180 | 20.4 | 118 | 120 | 238 | n/a | n/a |
| 25-1000 | Postsecondary Teachers | 1,267 | 1,577 | 310 | 24.5 | 31 | 35 | 66 | n/a | n/a |
| 25-1011 | Business Teachers, Postsecondary # | 100 | 122 | 22 | 22.0 | 2 | 3 | 5 | \$26.79 | 2 |
| 25-1021 | Computer Sci. Teachers, Postsecondary # | 42 | 51 | 9 | 21.4 | 1 | 1 | 2 | \$26.23 | 2 |
| 25-1072 | Nursing Instructors & Teachers, Postsec. # | 57 | 67 | 10 | 17.5 | 1 | 2 | 3 | \$28.42 | 3 |
| 25-1194 | Vocational Ed. Teachers, Postsecondary | 287 | 399 | 112 | 39.0 | 11 | 8 | 19 | \$17.27 | 8 |
| 25-2000 | Primary, Secondary, Special Ed. Teachers | 2,583 | 3,107 | 524 | 20.3 | 52 | 55 | 107 | n/a | n/a |
| 25-2011 | Preschool Teachers, Ex. Special Education | * | * | * | * | * | * | * | \$9.65 | 5 |
| 25-2012 | Kindergarten Teachers, Ex. Special Ed. # | 40 | 44 | 4 | 10.0 | 0 | 1 | 1 | \$24.23 | 5 |
| 25-2021 | Elem. School Teach., Ex. Special Ed. # | 887 | 975 | 88 | 9.9 | 9 | 20 | 29 | \$24.85 | 5 |
| 25-2022 | Middle School Teach., Ex. Spec., Voc. Ed. # | 364 | 389 | 25 | 6.9 | 3 | 8 | 11 | \$25.21 | 5 |
| 25-2031 | Second. Sch. Teach., Ex. Spec., Voc. Ed. # | 527 | 609 | 82 | 15.6 | 8 | 16 | 24 | \$25.48 | 5 |
| 25-2032 | Vocational Ed. Teachers, Second. School # | 33 | 36 | 3 | 9.1 | 0 | 1 | 1 | \$29.22 | 5 |
| 25-2041 | Special Education Teachers, Primary # | 107 | 142 | 35 | 32.7 | 4 | 1 | 5 | \$23.54 | 5 |
| 25-2042 | Special Ed. Teachers, Middle School # | 48 | 58 | 10 | 20.8 | 1 | 1 | 2 | \$24.05 | 5 |
| 25-2043 | Special Ed. Teachers, Secondary School # | 54 | 65 | 11 | 20.4 | 1 | 1 | 2 | \$24.87 | 5 |
| 25-3000 | Other Teachers and Instructors | 866 | 1,024 | 158 | 18.2 | 16 | 9 | 25 | n/a | n/a |
| 25-3011 | Adult Lit., Remedial Ed., and GED Teachers | 129 | 154 | 25 | 19.4 | 3 | 1 | 4 | \$12.93 | 5 |
| 25-3021 | Self-Enrichment Education Teachers | 138 | 166 | 28 | 20.3 | 3 | 1 | 4 | \$11.66 | 8 |
| 25-3999 | Teachers, Primary, Sec. & Adult, Other # | 599 | 704 | 105 | 17.5 | 11 | 6 | 17 | \$15.86 | 5 |
| 25-4000 | Librarians, Curators, and Archivists | 180 | 198 | 18 | 10.0 | 2 | 4 | 6 | n/a | n/a |
| 25-4021 | Librarians | 157 | 172 | 15 | 9.6 | 2 | 3 | 5 | \$15.73 | 3 |
| 25-9000 | Other Education, Training & Library Occs. | 896 | 1,066 | 170 | 19.0 | 17 | 18 | 35 | n/a | n/a |
| 25-9031 | Instructional Coordinators | 93 | 109 | 16 | 17.2 | 2 | 1 | 3 | \$22.85 | 3 |
| 25-9041 | Teacher Assistants # | 725 | 872 | 147 | 20.3 | 15 | 15 | 30 | \$11.58 | 11 |

Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average | Educ/ |
|----------------|--|--------------|--------------|------------|-------------|--------------------------|-------------|-----------|------------|------------|
| | | 2000 | 2010 | 2000-2010 | | Average Annual 2000-2010 | | | Wage | Training |
| Code | Title | Estimated | Projected | Number | Percent | Growth | Separations | Total | 2001 | Req'd~ |
| 27-0000 | Arts, Design, Ent., Sports & Media Occs. | 1,852 | 2,160 | 308 | 16.6 | 31 | 36 | 67 | n/a | n/a |
| 27-1000 | Art and Design Workers | 213 | 243 | 30 | 14.1 | 3 | 2 | 5 | n/a | n/a |
| 27-1023 | Floral Designers | 47 | 59 | 12 | 25.5 | 1 | 1 | 2 | \$8.30 | 10 |
| 27-1024 | Graphic Designers | 40 | 47 | 7 | 17.5 | 1 | 0 | 1 | \$12.13 | 5 |
| 27-1026 | Merchandise Display & Window Trimmers | * | * | * | * | * | * | * | \$10.18 | 10 |
| 27-2000 | Entertain. & Performers, Sports & Related | 1,274 | 1,525 | 251 | 19.7 | 25 | 24 | 49 | n/a | n/a |
| 27-2012 | Producers and Directors | 47 | 46 | -1 | -2.1 | 0 | 1 | 1 | n/a | 4 |
| 27-2041 | Music Directors and Composers | 154 | 188 | 34 | 22.1 | 3 | 3 | 6 | n/a | 4 |
| 27-2042 | Musicians and Singers | 961 | 1,170 | 209 | 21.7 | 21 | 18 | 39 | n/a | 9 |
| 27-3000 | Media and Communication Workers | 268 | 297 | 29 | 10.8 | 3 | 7 | 10 | n/a | n/a |
| 27-3020 | News Analyst, Reporter & Correspondent | 63 | 59 | -4 | -6.3 | 0 | 2 | 2 | \$14.43 | 9 |
| 27-3031 | Public Relations Specialists | 57 | 74 | 17 | 29.8 | 2 | 1 | 3 | \$12.89 | 5 |
| 27-3041 | Editors | 64 | 79 | 15 | 23.4 | 2 | 2 | 4 | \$14.99 | 5 |
| 27-4000 | Media & Communication Equip. Workers | 97 | 95 | -2 | -2.1 | 0 | 3 | 3 | n/a | n/a |
| 27-4012 | Broadcast Technicians | 41 | 37 | -4 | -9.8 | 0 | 1 | 1 | \$10.75 | 7 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Healthcare Practitioners and Technical Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 29-0000 | Healthcare Practitioners & Tech. Occs. | 4,597 | 5,622 | 1,025 | 22.3 | 103 | 103 | 206 | n/a | n/a |
| 29-1000 | Health Diagnosing & Treating Practitioners | 2,653 | 3,315 | 662 | 25.0 | 66 | 56 | 122 | n/a | n/a |
| 29-1031 | Dietitians and Nutritionists | 33 | 33 | 0 | 0.0 | 0 | 1 | 1 | \$17.43 | 5 |
| 29-1051 | Pharmacists | 151 | 174 | 23 | 15.2 | 2 | 5 | 7 | \$32.59 | 1 |
| 29-1063 | Internists, General | 165 | 218 | 53 | 32.1 | 5 | 2 | 7 | n/a | 1 |
| 29-1071 | Physician Assistants | * | * | * | * | * | * | * | \$29.95 | 5 |
| 29-1111 | Registered Nurses | 1,614 | 1,883 | 269 | 16.7 | 27 | 33 | 60 | \$17.50 | 6 |
| 29-1122 | Occupational Therapists | 126 | 201 | 75 | 59.5 | 8 | 3 | 11 | \$27.04 | 5 |
| 29-1123 | Physical Therapists | 157 | 248 | 91 | 58.0 | 9 | 4 | 13 | \$23.79 | 3 |
| 29-1126 | Respiratory Therapists | 70 | 84 | 14 | 20.0 | 1 | 2 | 3 | \$16.20 | 6 |
| 29-1127 | Speech-Language Pathologists | 96 | 138 | 42 | 43.8 | 4 | 2 | 6 | \$21.57 | 3 |
| 29-2000 | Health Technologists and Technicians | 1,713 | 2,044 | 331 | 19.3 | 33 | 42 | 75 | n/a | n/a |
| 29-2011 | Medical & Clinical Lab. Technologists | 105 | 95 | -10 | -9.5 | 0 | 3 | 3 | \$18.36 | 5 |
| 29-2012 | Medical & Clinical Laboratory Technicians | 48 | 50 | 2 | 4.2 | 0 | 1 | 1 | \$12.63 | 6 |
| 29-2031 | Cardiovascular Technologists and Tech. | 32 | 39 | 7 | 21.9 | 1 | 1 | 2 | \$14.00 | 6 |
| 29-2034 | Radiologic Technologists and Technicians | 148 | 160 | 12 | 8.1 | 1 | 3 | 4 | \$15.81 | 6 |
| 29-2041 | Emergency Medical Tech. and Paramedics | 153 | 248 | 95 | 62.1 | 10 | 4 | 14 | \$9.10 | 7 |
| 29-2052 | Pharmacy Technicians | 146 | 185 | 39 | 26.7 | 4 | 4 | 8 | \$9.50 | 10 |
| 29-2056 | Veterinary Technologists and Technicians | 56 | 100 | 44 | 78.6 | 4 | 2 | 6 | \$11.84 | 6 |
| 29-2061 | Licensed Practical & Licensed Voc. Nurses | 716 | 765 | 49 | 6.8 | 5 | 18 | 23 | \$12.23 | 7 |
| 29-2071 | Medical Records & Health Info. Tech. | 106 | 154 | 48 | 45.3 | 5 | 2 | 7 | \$10.38 | 6 |
| 29-9000 | Other Healthcare Pract. & Tech. Occs. | 231 | 263 | 32 | 13.9 | 3 | 5 | 8 | n/a | n/a |
| 29-9010 | Occupational Health & Safety Spec. & Tech. | 171 | 205 | 34 | 19.9 | 3 | 4 | 7 | \$22.83 | 5 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Healthcare Support Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 31-0000 | Healthcare Support Occupations | 2,569 | 3,444 | 875 | 34.1 | 88 | 46 | 134 | n/a | n/a |
| 31-1000 | Nursing, Psychiatric & Home Health Aides | 1,503 | 1,815 | 312 | 20.8 | 31 | 19 | 50 | n/a | n/a |
| 31-1011 | Home Health Aides | 243 | 433 | 190 | 78.2 | 19 | 3 | 22 | \$7.61 | 11 |
| 31-1012 | Nursing Aides, Orderlies, and Attendants | 1,247 | 1,365 | 118 | 9.5 | 12 | 16 | 28 | \$7.54 | 11 |
| 31-2000 | Occ. and Physical Therapist Asst. & Aide | 157 | 239 | 82 | 52.2 | 8 | 5 | 13 | n/a | n/a |
| 31-2021 | Physical Therapist Assistants | 94 | 145 | 51 | 54.3 | 5 | 3 | 8 | \$15.55 | 6 |
| 31-2022 | Physical Therapist Aides | 41 | 60 | 19 | 46.3 | 2 | 1 | 3 | \$8.57 | 11 |
| 31-9000 | Other Healthcare Support Occupations | 909 | 1,390 | 481 | 52.9 | 48 | 22 | 70 | n/a | n/a |
| 31-9091 | Dental Assistants | 207 | 319 | 112 | 54.1 | 11 | 4 | 15 | \$10.11 | 10 |
| 31-9092 | Medical Assistants | 500 | 840 | 340 | 68.0 | 34 | 13 | 47 | \$9.91 | 10 |
| 31-9094 | Medical Transcriptionists | 81 | 100 | 19 | 23.5 | 2 | 2 | 4 | \$11.68 | 7 |
| 31-9095 | Pharmacy Aides | 50 | 51 | 1 | 2.0 | 0 | 1 | 1 | \$10.60 | 11 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Protective Service Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|----------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|--------------------------|--------------------|-------------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual Growth | 2000-2010 Separations | 2000-2010 Total | | |
| 33-0000 | Protective Service Occupations | 1,214 | 1,469 | 255 | 21.0 | 26 | 36 | 62 | n/a | n/a |
| 33-1000 | Supervisors, Protect. Service Workers | 128 | 151 | 23 | 18.0 | 2 | 4 | 6 | n/a | n/a |
| 33-1012 | Supervisors of Police and Detectives | 57 | 68 | 11 | 19.3 | 1 | 2 | 3 | \$18.07 | 8 |
| 33-2000 | Fire Fighting and Prevention Workers | 89 | 100 | 11 | 12.4 | 1 | 2 | 3 | n/a | n/a |
| 33-2011 | Fire Fighters | 78 | 89 | 11 | 14.1 | 1 | 2 | 3 | \$9.38 | 9 |
| 33-3000 | Law Enforcement Workers | 596 | 719 | 123 | 20.6 | 12 | 13 | 25 | n/a | n/a |
| 33-3051 | Police and Sheriff's Patrol Officers | 241 | 300 | 59 | 24.5 | 6 | 5 | 11 | \$14.70 | 9 |
| 33-9000 | Other Protective Service Workers | 401 | 499 | 98 | 24.4 | 10 | 17 | 27 | n/a | n/a |
| 33-9032 | Security Guards | 279 | 367 | 88 | 31.5 | 9 | 8 | 17 | \$9.62 | 11 |
| 33-9099 | Protective Service Workers, All Other | 108 | 116 | 8 | 7.4 | 1 | 8 | 9 | \$18.10 | 11 |

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Food Prep. & Serving Related Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 35-0000 | Food Prep. & Serving Related Occs. | 6,819 | 7,034 | 215 | 3.2 | 22 | 312 | 334 | n/a | n/a |
| 35-1000 | Supervisors, Food Prep. & Serving Worker | 627 | 601 | -26 | -4.1 | 0 | 16 | 16 | n/a | n/a |
| 35-1012 | Supervisors of Food Prep. and Servers | 619 | 594 | -25 | -4.0 | 0 | 16 | 16 | \$10.88 | 8 |
| 35-2000 | Cooks and Food Preparation Workers | 2,089 | 2,044 | -45 | -2.2 | 0 | 62 | 62 | n/a | n/a |
| 35-2011 | Cooks, Fast Food | * | * | * | * | * | * | * | \$6.11 | 11 |
| 35-2012 | Cooks, Institution and Cafeteria | 637 | 642 | 5 | 0.8 | 1 | 18 | 19 | \$8.53 | 9 |
| 35-2014 | Cooks, Restaurant | * | * | * | * | * | * | * | \$6.73 | 9 |
| 35-2015 | Cooks, Short Order | * | * | * | * | * | * | * | \$6.03 | 11 |
| 35-2021 | Food Preparation Workers | 197 | 202 | 5 | 2.5 | 1 | 8 | 9 | \$6.98 | 11 |
| 35-3000 | Food and Beverage Serving Workers | 3,662 | 4,011 | 349 | 9.5 | 35 | 220 | 255 | n/a | n/a |
| 35-3011 | Bartenders | 63 | 66 | 3 | 4.8 | 0 | 3 | 3 | \$6.46 | 11 |
| 35-3021 | Combined Food Prep. & Serving Workers | 2,494 | 2,821 | 327 | 13.1 | 33 | 153 | 186 | \$6.00 | 11 |
| 35-3022 | Counter Attendants, Cafeteria, Concession | * | * | * | * | * | * | * | \$6.49 | 11 |
| 35-3031 | Waiters and Waitresses | 883 | 900 | 17 | 1.9 | 2 | 50 | 52 | \$5.97 | 11 |
| 35-3041 | Food Servers, Nonrestaurant | 77 | 69 | -8 | -10.4 | 0 | 3 | 3 | \$8.17 | 11 |
| 35-9000 | Other Food Prep. & Serving Related Worker | 441 | 378 | -63 | -14.3 | 0 | 15 | 15 | n/a | n/a |
| 35-9011 | Dining Room and Cafeteria Attendants | 96 | 77 | -19 | -19.8 | 0 | 3 | 3 | \$7.25 | 11 |
| 35-9021 | Dishwashers | 200 | 158 | -42 | -21.0 | 0 | 8 | 8 | \$6.31 | 11 |
| 35-9031 | Hosts & Hostesses, Restaurant & Lounge | 143 | 141 | -2 | -1.4 | 0 | 4 | 4 | \$6.18 | 11 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 37-0000 | Build., Grounds Cleaning & Maint. Occs | 3,520 | 4,133 | 613 | 17.4 | 61 | 71 | 132 | n/a | n/a |
| 37-1000 | Supervisors, Building & Grounds Cleaning | 207 | 216 | 9 | 4.3 | 1 | 3 | 4 | n/a | n/a |
| 37-1011 | Supervisors, Housekeeping & Janitors | 93 | 103 | 10 | 10.8 | 1 | 3 | 4 | \$10.82 | 8 |
| 37-1012 | Supervisors, Landscaping, Lawn Serv. | 114 | 113 | -1 | -0.9 | 0 | 1 | 1 | \$16.73 | 8 |
| 37-2000 | Building Cleaning & Pest Control Workers | 2,711 | 3,142 | 431 | 15.9 | 43 | 53 | 96 | n/a | n/a |
| 37-2011 | Janitors & Cleaners | 1,518 | 1,812 | 294 | 19.4 | 29 | 27 | 56 | \$8.03 | 11 |
| 37-2012 | Maids and Housekeeping Cleaners | 1,117 | 1,227 | 110 | 9.8 | 11 | 24 | 35 | \$7.09 | 11 |
| 37-3000 | Grounds Maintenance Workers | 566 | 732 | 166 | 29.3 | 17 | 14 | 31 | n/a | n/a |
| 37-3011 | Landscaping & Groundskeeping Workers | 511 | 670 | 159 | 31.1 | 16 | 13 | 29 | \$8.36 | 11 |
| 37-9000 | Misc. Build, Grounds Clean. & Maint. Work | * | * | * | * | * | * | * | n/a | n/a |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Personal Care & Service Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|-------------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 39-0000 | Personal Care and Service Occupations | 3,685 | 4,416 | 731 | 19.8 | 73 | 122 | 195 | n/a | n/a |
| 39-1000 | Supervisor, Personal Care & Serv. Worker | * | * | * | * | * | * | * | n/a | n/a |
| 39-1021 | Supervisors, Personal Serv. Workers | * | * | * | * | * | * | * | \$10.09 | 8 |
| 39-2000 | Animal Care and Service Workers | 45 | 66 | 21 | 46.7 | 2 | 1 | 3 | n/a | n/a |
| 39-2021 | Nonfarm Animal Caretakers | 45 | 66 | 21 | 46.7 | 2 | 1 | 3 | n/a | 11 |
| 39-3000 | Entertainment Attend. & Related Workers | 142 | 157 | 15 | 10.6 | 2 | 8 | 10 | n/a | n/a |
| 39-3091 | Amusement and Recreation Attendants | 47 | 54 | 7 | 14.9 | 1 | 2 | 3 | \$7.91 | 11 |
| 39-4000 | Funeral Service Workers | * | * | * | * | * | * | * | n/a | n/a |
| 39-5000 | Personal Appearance Workers | 135 | 122 | -13 | -9.6 | 0 | 3 | 3 | n/a | n/a |
| 39-5012 | Hairdresser, Hairstylist & Cosmetologist | 126 | 111 | -15 | -11.9 | 0 | 3 | 3 | \$8.15 | 7 |
| 39-6000 | Transportation, Tourism & Lodging Attend. | * | * | * | * | * | * | * | n/a | n/a |
| 39-9000 | Other Personal Care and Service Workers | 3,328 | 4,028 | 700 | 21.0 | 70 | 109 | 179 | n/a | n/a |
| 39-9011 | Child Care Workers | 3,044 | 3,597 | 553 | 18.2 | 55 | 103 | 158 | \$7.24 | 11 |
| 39-9032 | Recreation Workers | 88 | 104 | 16 | 18.2 | 2 | 2 | 4 | \$9.67 | 5 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Sales and Related Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average | Educ/ |
|--------------|--|-------------|-----------|-----------|---------|--------------------------|-------------|-------|---------|----------|
| Code | Title | 2000 | 2010 | 2000-2010 | | Average Annual 2000-2010 | | | Wage | Training |
| | | Estimated | Projected | Number | Percent | Growth | Separations | Total | 2001 | Req'd~ |
| 41-0000 | Sales and Related Occupations | 9,978 | 12,247 | 2,269 | 22.7 | 227 | 347 | 574 | n/a | n/a |
| 41-1000 | Supervisors, Sales Workers | 1,155 | 1,428 | 273 | 23.6 | 27 | 17 | 44 | n/a | n/a |
| 41-1011 | Supervisors, Retail Sales Workers | 1,008 | 1,262 | 254 | 25.2 | 25 | 15 | 40 | \$12.39 | 8 |
| 41-1012 | Supervisors, Non-Retail Sales | 147 | 166 | 19 | 12.9 | 2 | 2 | 4 | \$19.64 | 8 |
| 41-2000 | Retail Sales Workers | 7,175 | 8,766 | 1,591 | 22.2 | 159 | 290 | 449 | n/a | n/a |
| 41-2011 | Cashiers | 2,792 | 3,399 | 607 | 21.7 | 61 | 127 | 188 | \$6.83 | 11 |
| 41-2021 | Counter and Rental Clerks | 365 | 413 | 48 | 13.2 | 5 | 17 | 22 | \$7.58 | 11 |
| 41-2031 | Retail Salespersons | 3,423 | 4,275 | 852 | 24.9 | 85 | 130 | 215 | \$8.51 | 11 |
| 41-3000 | Sales Representatives, Services | 255 | 309 | 54 | 21.2 | 5 | 5 | 10 | n/a | n/a |
| 41-3011 | Advertising Sales Agents | 84 | 90 | 6 | 7.1 | 1 | 2 | 3 | \$16.28 | 10 |
| 41-3021 | Insurance Sales Agents | 60 | 49 | -11 | -18.3 | 0 | 2 | 2 | \$23.56 | 5 |
| 41-3031 | Securities & Financial Serv. Sales Agent | 42 | 84 | 42 | 100.0 | 4 | 0 | 4 | \$41.79 | 5 |
| 41-3041 | Travel Agents | * | * | * | * | * | * | * | \$15.14 | 7 |
| 41-4000 | Sales Reps., Wholesale and Manufacturing | 912 | 1,038 | 126 | 13.8 | 13 | 25 | 38 | n/a | n/a |
| 41-4011 | Sales Reps., Wholesale & Manuf., Tech. | 204 | 239 | 35 | 17.2 | 4 | 6 | 10 | \$18.68 | 10 |
| 41-4012 | Sales Reps., Wholesale & Manuf., Ex. Tech. | 708 | 799 | 91 | 12.9 | 9 | 19 | 28 | \$19.45 | 10 |
| 41-9000 | Other Sales and Related Workers | 481 | 706 | 225 | 46.8 | 23 | 10 | 33 | n/a | n/a |
| 41-9022 | Real Estate Sales Agents | * | * | * | * | * | * | * | \$7.77 | 7 |
| 41-9041 | Telemarketers | 198 | 328 | 130 | 65.7 | 13 | 4 | 17 | \$7.87 | 11 |
| 41-9099 | Sales and Related Workers, All Other | 156 | 215 | 59 | 37.8 | 6 | 3 | 9 | \$12.70 | 10 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Office & Administrative Support Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 43-0000 | Office and Administrative Support Occs | 15,189 | 16,873 | 1,684 | 11.1 | 168 | 334 | 502 | n/a | n/a |
| 43-1000 | Supervisors, Office & Admin. Support | 823 | 976 | 153 | 18.6 | 15 | 16 | 31 | n/a | n/a |
| 43-1011 | Supervisors, Office & Admin. Workers | 823 | 976 | 153 | 18.6 | 15 | 16 | 31 | \$15.50 | 8 |
| 43-2000 | Communications Equipment Operators | 219 | 200 | -19 | -8.7 | 0 | 6 | 6 | n/a | n/a |
| 43-2011 | Switchboard Ops., Inc. Answering Serv. | 151 | 155 | 4 | 2.6 | 0 | 4 | 4 | \$8.82 | 11 |
| 43-3000 | Financial Clerks | 2,418 | 2,710 | 292 | 12.1 | 29 | 63 | 92 | n/a | n/a |
| 43-3011 | Bill and Account Collectors | 202 | 265 | 63 | 31.2 | 6 | 5 | 11 | \$10.72 | 11 |
| 43-3021 | Billing, Posting Clerks & Machine Operator | 488 | 599 | 111 | 22.7 | 11 | 12 | 23 | \$13.11 | 11 |
| 43-3031 | Bookkeeping, Accounting & Auditing Clerks | 1,142 | 1,236 | 94 | 8.2 | 9 | 22 | 31 | \$11.49 | 10 |
| 43-3051 | Payroll and Timekeeping Clerks | 133 | 143 | 10 | 7.5 | 1 | 4 | 5 | \$11.56 | 11 |
| 43-3061 | Procurement Clerks | 36 | 29 | -7 | -19.4 | 0 | 1 | 1 | \$11.93 | 11 |
| 43-3071 | Tellers | 417 | 438 | 21 | 5.0 | 2 | 20 | 22 | \$9.04 | 11 |
| 43-4000 | Information and Record Clerks | 3,138 | 4,108 | 970 | 30.9 | 97 | 66 | 163 | n/a | n/a |
| 43-4031 | Court, Municipal, and License Clerks | * | * | * | * | * | * | * | \$12.17 | 11 |
| 43-4051 | Customer Service Representatives | 792 | 1,244 | 452 | 57.1 | 45 | 7 | 52 | \$9.93 | 10 |
| 43-4071 | File Clerks | 158 | 185 | 27 | 17.1 | 3 | 5 | 8 | \$8.53 | 11 |
| 43-4081 | Hotel, Motel, and Resort Desk Clerks | 204 | 258 | 54 | 26.5 | 5 | 9 | 14 | \$7.25 | 11 |
| 43-4111 | Interviewers, Except Eligibility and Loan | 130 | 154 | 24 | 18.5 | 2 | 3 | 5 | \$9.45 | 11 |
| 43-4121 | Library Assistants, Clerical | * | * | * | * | * | * | * | \$6.79 | 11 |
| 43-4131 | Loan Interviewers and Clerks | 96 | 76 | -20 | -20.8 | 0 | 1 | 1 | \$11.24 | 11 |
| 43-4151 | Order Clerks | 176 | 154 | -22 | -12.5 | 0 | 4 | 4 | \$9.95 | 11 |
| 43-4161 | Human Res. Assist, Ex. Payroll & Timekeep | 68 | 72 | 4 | 5.9 | 0 | 2 | 2 | \$13.37 | 11 |
| 43-4171 | Receptionists and Information Clerks | 707 | 962 | 255 | 36.1 | 26 | 16 | 42 | \$8.69 | 11 |
| 43-4181 | Reserv., Transp. Ticket Agent, Travel Clerk | * | * | * | * | * | * | * | n/a | 11 |
| 43-4999 | Financial, Info. & Record Clerks, Other | 132 | 155 | 23 | 17.4 | 2 | 2 | 4 | \$11.36 | 11 |
| 43-5000 | Material Rec., Schedule, Dispatch, and Dist. | 2,558 | 2,795 | 237 | 9.3 | 24 | 73 | 97 | n/a | n/a |
| 43-5021 | Couriers and Messengers | * | * | * | * | * | * | * | \$8.24 | 11 |
| 43-5031 | Police, Fire, and Ambulance Dispatchers | 54 | 70 | 16 | 29.6 | 2 | 1 | 3 | \$9.98 | 10 |
| 43-5032 | Dispatchers, Ex. Police, Fire & Ambulance | 96 | 117 | 21 | 21.9 | 2 | 2 | 4 | \$14.15 | 10 |
| 43-5041 | Meter Readers, Utilities | * | * | * | * | * | * | * | \$14.53 | 11 |
| 43-5051 | Postal Service Clerks | 52 | 44 | -8 | -15.4 | 0 | 1 | 1 | \$17.66 | 11 |
| 43-5052 | Postal Service Mail Carriers | 332 | 279 | -53 | -16.0 | 0 | 10 | 10 | \$17.53 | 11 |
| 43-5053 | Postal Service Mail Sorters & Processors | 79 | 66 | -13 | -16.5 | 0 | 2 | 2 | \$12.14 | 11 |
| 43-5061 | Production, Planning & Expediting Clerks | 160 | 176 | 16 | 10.0 | 2 | 3 | 5 | \$14.66 | 11 |
| 43-5071 | Shipping, Receiving, and Traffic Clerks | 445 | 531 | 86 | 19.3 | 9 | 9 | 18 | \$11.26 | 11 |
| 43-5081 | Stock Clerks and Order Fillers | 1,181 | 1,356 | 175 | 14.8 | 18 | 42 | 60 | \$9.77 | 11 |
| 43-5111 | Weigh, Measure, Check, Sample-Records | * | * | * | * | * | * | * | \$11.50 | 11 |

Purchase Area

Office & Administrative Support Occs. (cont'd)

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average | Educ/ |
|----------------|--|--------------|--------------|-------------|-------------|--------------------------|-------------|-----------|------------|------------|
| | | 2000 | 2010 | 2000-2010 | | Average Annual 2000-2010 | | | Wage | Training |
| Code | Title | Estimated | Projected | Number | Percent | Growth | Separations | Total | 2001 | Req'd~ |
| 43-6000 | Secretaries and Administrative Assistants | 2,999 | 3,225 | 226 | 7.5 | 23 | 51 | 74 | n/a | n/a |
| 43-6011 | Executive Secretaries & Admin. Assist. | 857 | 962 | 105 | 12.3 | 11 | 15 | 26 | \$12.62 | 10 |
| 43-6012 | Legal Secretaries | 55 | 66 | 11 | 20.0 | 1 | 1 | 2 | \$11.32 | 7 |
| 43-6013 | Medical Secretaries | 272 | 327 | 55 | 20.2 | 6 | 5 | 11 | \$9.70 | 7 |
| 43-6014 | Secretaries, Ex. Legal, Medical & Executive | 1,815 | 1,870 | 55 | 3.0 | 6 | 31 | 37 | \$10.55 | 10 |
| 43-9000 | Other Office & Admin. Support Workers | 3,034 | 2,859 | -175 | -5.8 | 0 | 58 | 58 | n/a | n/a |
| 43-9011 | Computer Operators | 36 | 36 | 0 | 0.0 | 0 | 1 | 1 | \$11.72 | 10 |
| 43-9021 | Data Entry Keyers | 259 | 260 | 1 | 0.4 | 0 | 4 | 4 | \$9.38 | 10 |
| 43-9022 | Word Processors and Typists | 41 | 40 | -1 | -2.4 | 0 | 1 | 1 | \$10.27 | 10 |
| 43-9031 | Desktop Publishers | 31 | 68 | 37 | 119.4 | 4 | 1 | 5 | \$10.94 | 7 |
| 43-9041 | Insurance Claims & Policy Process. Clerks | * | * | * | * | * | * | * | \$20.77 | 10 |
| 43-9051 | Mail Clerks & Mail Mach. Ops., Ex. Postal | 52 | 53 | 1 | 1.9 | 0 | 2 | 2 | \$9.31 | 11 |
| 43-9061 | Office Clerks, General | 2,503 | 2,281 | -222 | -8.9 | 0 | 48 | 48 | \$9.53 | 11 |
| 43-9999 | Secretary, Admin. Assist. & Other | 70 | 81 | 11 | 15.7 | 1 | 1 | 2 | \$18.23 | 11 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Farming, Fishing & Forestry Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|--------------------------|--------------------|-------------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual Growth | 2000-2010 Separations | 2000-2010 Total | | |
| 45-0000 | Farming, Fishing & Forestry Occs | 193 | 237 | 44 | 22.8 | 4 | 5 | 9 | n/a | n/a |
| 45-1000 | Supervisors, Farm., Fish. & Forest. Worker | * | * | * | * | * | * | * | n/a | n/a |
| 45-2000 | Agricultural Workers | 48 | 52 | 4 | 8.3 | 0 | 1 | 1 | n/a | n/a |
| 45-4000 | Forest, Conservation & Logging Workers | 40 | 44 | 4 | 10.0 | 0 | 1 | 1 | n/a | n/a |
| 45-9000 | Other Farming, Fishing & Forestry Workers | 84 | 118 | 34 | 40.5 | 3 | 3 | 6 | n/a | n/a |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Construction & Extraction Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|----------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|--------------------------|--------------------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual Growth | 2000-2010 Separations | 2000-2010 Total | | |
| 47-0000 | Construction and Extraction Occupations | 5,096 | 5,657 | 561 | 11.0 | 56 | 97 | 153 | n/a | n/a |
| 47-1000 | Supervisors, Const. & Extraction Workers | 359 | 422 | 63 | 17.5 | 6 | 8 | 14 | n/a | n/a |
| 47-1011 | Supervisors, Const. Trades & Extraction | 359 | 422 | 63 | 17.5 | 6 | 8 | 14 | \$23.29 | 8 |
| 47-2000 | Construction Trades Workers | 3,867 | 4,306 | 439 | 11.4 | 44 | 64 | 108 | n/a | n/a |
| 47-2021 | Brickmasons and Blockmasons | 153 | 174 | 21 | 13.7 | 2 | 3 | 5 | \$17.68 | 9 |
| 47-2031 | Carpenters | 708 | 884 | 176 | 24.9 | 18 | 12 | 30 | \$18.10 | 9 |
| 47-2051 | Cement Masons and Concrete Finishers | 88 | 91 | 3 | 3.4 | 0 | 1 | 1 | \$16.42 | 9 |
| 47-2061 | Construction Laborers | 689 | 785 | 96 | 13.9 | 10 | 6 | 16 | \$13.60 | 10 |
| 47-2071 | Paving, Surfacing & Tamping Equip. Ops. | 118 | 145 | 27 | 22.9 | 3 | 2 | 5 | \$12.00 | 10 |
| 47-2073 | Operating Eng. & Other Const. Equip. Ops. | 389 | 412 | 23 | 5.9 | 2 | 9 | 11 | \$18.77 | 10 |
| 47-2111 | Electricians | 501 | 563 | 62 | 12.4 | 6 | 9 | 15 | \$20.64 | 9 |
| 47-2141 | Painters, Construction and Maintenance | 85 | 86 | 1 | 1.2 | 0 | 2 | 2 | \$12.99 | 10 |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters | 364 | 344 | -20 | -5.5 | 0 | 6 | 6 | \$22.72 | 9 |
| 47-2171 | Reinforcing Iron and Rebar Workers | 87 | 83 | -4 | -4.6 | 0 | 1 | 1 | \$21.24 | 9 |
| 47-2211 | Sheet Metal Workers | 232 | 230 | -2 | -0.9 | 0 | 5 | 5 | \$15.92 | 10 |
| 47-3000 | Helpers, Construction Trades | 246 | 265 | 19 | 7.7 | 2 | 12 | 14 | n/a | n/a |
| 47-3011 | Helpers--Brick, Block, Stone & Tile | 111 | 125 | 14 | 12.6 | 1 | 6 | 7 | \$9.19 | 11 |
| 47-3012 | Helpers--Carpenters | * | * | * | * | * | * | * | \$7.06 | 11 |
| 47-3013 | Helpers--Electricians | 49 | 52 | 3 | 6.1 | 0 | 2 | 2 | \$10.70 | 11 |
| 47-4000 | Other Construction and Related Workers | 617 | 653 | 36 | 5.8 | 4 | 12 | 16 | n/a | n/a |
| 47-4041 | Hazardous Materials Removal Workers | 106 | 152 | 46 | 43.4 | 5 | 3 | 8 | \$14.32 | 10 |
| 47-4051 | Highway Maintenance Workers | 207 | 212 | 5 | 2.4 | 1 | 3 | 4 | \$10.50 | 10 |
| 47-4999 | Const. Trades & Related Workers, Other | * | * | * | * | * | * | * | \$25.08 | 8 |
| 47-5000 | Extraction Workers | * | * | * | * | * | * | * | n/a | n/a |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 49-0000 | Installation, Maint. & Repair Occs | 4,703 | 4,861 | 158 | 3.4 | 16 | 105 | 121 | n/a | n/a |
| 49-1000 | Supervisors of Install., Maint. & Repair | 443 | 454 | 11 | 2.5 | 1 | 12 | 13 | n/a | n/a |
| 49-1011 | Supervisors, Mech., Installers & Maint. | 443 | 454 | 11 | 2.5 | 1 | 12 | 13 | \$21.30 | 8 |
| 49-2000 | Electrical & Electronic Equip. Mech., Install. | 565 | 551 | -14 | -2.5 | 0 | 10 | 10 | n/a | n/a |
| 49-2011 | Computer, Auto. Teller & Machine Repair. | 98 | 109 | 11 | 11.2 | 1 | 1 | 2 | \$14.24 | 7 |
| 49-2022 | Telecom. Equip. Install. & Repair. | 174 | 181 | 7 | 4.0 | 1 | 3 | 4 | \$18.29 | 7 |
| 49-2094 | Elec. & Electronics Repair. | 70 | 88 | 18 | 25.7 | 2 | 1 | 3 | \$21.11 | 7 |
| 49-3000 | Vehicle & Mobile Equip. Mechanics, Install. | 1,388 | 1,549 | 161 | 11.6 | 16 | 36 | 52 | n/a | n/a |
| 49-3021 | Automotive Body and Related Repairers | 135 | 189 | 54 | 40.0 | 5 | 3 | 8 | \$15.75 | 9 |
| 49-3023 | Auto. Service Technicians and Mechanics | 400 | 498 | 98 | 24.5 | 10 | 9 | 19 | \$13.69 | 7 |
| 49-3031 | Bus & Truck Mech. & Diesel Engine Spec. | 225 | 246 | 21 | 9.3 | 2 | 6 | 8 | \$14.89 | 7 |
| 49-3042 | Mobile Heavy Equip. Mech., Ex. Engines | 59 | 85 | 26 | 44.1 | 3 | 2 | 5 | \$15.72 | 7 |
| 49-3051 | Motorboat Mechanics | 58 | 69 | 11 | 19.0 | 1 | 2 | 3 | \$13.36 | 9 |
| 49-3093 | Tire Repairers and Changers | 90 | 119 | 29 | 32.2 | 3 | 3 | 6 | \$9.41 | 11 |
| 49-9000 | Other Install., Maintenance & Repair Occs. | 2,307 | 2,307 | 0 | 0.0 | 0 | 47 | 47 | n/a | n/a |
| 49-9012 | Control & Valve Install & Repair, Ex. Mech. | 56 | 61 | 5 | 8.9 | 1 | 2 | 3 | \$19.65 | 10 |
| 49-9021 | Heat, Air Conditioning & Refrigeration Mech | 34 | 39 | 5 | 14.7 | 1 | 0 | 1 | \$14.96 | 9 |
| 49-9041 | Industrial Machinery Mechanics | 127 | 136 | 9 | 7.1 | 1 | 3 | 4 | \$20.71 | 9 |
| 49-9042 | Maintenance and Repair Workers, General | 1,234 | 1,160 | -74 | -6.0 | 0 | 16 | 16 | \$17.10 | 9 |
| 49-9043 | Maintenance Workers, Machinery | * | * | * | * | * | * | * | \$18.66 | 9 |
| 49-9051 | Electrical Power-Line Install & Repair | 156 | 221 | 65 | 41.7 | 7 | 5 | 12 | \$21.42 | 9 |
| 49-9052 | Telecom. Line Installers & Repair. | 88 | 113 | 25 | 28.4 | 3 | 2 | 5 | \$15.91 | 9 |
| 49-9062 | Medical Equipment Repairers | 35 | 47 | 12 | 34.3 | 1 | 1 | 2 | \$12.60 | 10 |
| 49-9095 | Manufactured Build. & Mobile Home Install. | * | * | * | * | * | * | * | \$10.98 | 10 |
| 49-9098 | Helpers--Install., Maint. & Repair Worker | 172 | 147 | -25 | -14.5 | 0 | 9 | 9 | \$12.12 | 11 |
| 49-9099 | Install., Maint. & Repair Worker, Other | 221 | 199 | -22 | -10.0 | 0 | 5 | 5 | \$20.06 | 9 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Production Occupations

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage 2001 | Educ/ Training Req'd~ |
|--------------------------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code | Title | 2000 Estimated | 2010 Projected | 2000-2010 Number | 2000-2010 Percent | Average Annual 2000-2010 | | | | |
| | | | | | | Growth | Separations | Total | | |
| 51-0000 Production Occupations | | 10,783 | 11,538 | 755 | 7.0 | 76 | 247 | 323 | n/a | n/a |
| 51-1000 | Supervisors, Production Workers | 792 | 804 | 12 | 1.5 | 1 | 21 | 22 | n/a | n/a |
| 51-1011 | Supervisors of Production & Operating | 792 | 804 | 12 | 1.5 | 1 | 21 | 22 | \$22.06 | 8 |
| 51-2000 | Assemblers and Fabricators | 1,651 | 1,800 | 149 | 9.0 | 15 | 32 | 47 | n/a | n/a |
| 51-2022 | Electrical & Electronic Equipment Assemb. | 89 | 60 | -29 | -32.6 | 0 | 2 | 2 | \$12.18 | 11 |
| 51-2092 | Team Assemblers | 599 | 630 | 31 | 5.2 | 3 | 11 | 14 | \$9.20 | 10 |
| 51-2099 | Assemblers and Fabricators, All Other | 463 | 620 | 157 | 33.9 | 16 | 8 | 24 | \$6.89 | 10 |
| 51-3000 | Food Processing Workers | 1,075 | 1,278 | 203 | 18.9 | 20 | 25 | 45 | n/a | n/a |
| 51-3011 | Bakers | 112 | 126 | 14 | 12.5 | 1 | 2 | 3 | \$6.81 | 9 |
| 51-3021 | Butchers and Meat Cutters | 121 | 95 | -26 | -21.5 | 0 | 3 | 3 | \$10.09 | 9 |
| 51-4000 | Metal Workers and Plastic Workers | 1,857 | 1,948 | 91 | 4.9 | 9 | 42 | 51 | n/a | n/a |
| 51-4011 | Computer-Controlled Mach. Tool Operators | * | * | * | * | * | * | * | \$13.16 | 9 |
| 51-4031 | Cut, Punch & Press Mach. Setters & Ops. | 194 | 188 | -6 | -3.1 | 0 | 4 | 4 | \$11.61 | 10 |
| 51-4041 | Machinists | 326 | 299 | -27 | -8.3 | 0 | 7 | 7 | \$14.65 | 9 |
| 51-4111 | Tool and Die Makers | * | * | * | * | * | * | * | \$18.91 | 9 |
| 51-4121 | Welders, Cutters, Solderers, and Brazers | 314 | 364 | 50 | 15.9 | 5 | 9 | 14 | \$12.29 | 7 |
| 51-4122 | Welding, Soldering & Brazing Mach. Setter | 73 | 88 | 15 | 20.5 | 2 | 2 | 4 | \$10.86 | 10 |
| 51-4193 | Plating, Coat. Mach. Setter, Ops. & Tender | * | * | * | * | * | * | * | \$9.66 | 10 |
| 51-5000 | Printing Workers | 162 | 157 | -5 | -3.1 | 0 | 4 | 4 | n/a | n/a |
| 51-5022 | Prepress Technicians and Workers | 43 | 38 | -5 | -11.6 | 0 | 1 | 1 | \$9.70 | 9 |
| 51-5023 | Printing Machine Operators | 89 | 88 | -1 | -1.1 | 0 | 2 | 2 | \$11.42 | 10 |
| 51-6000 | Textile, Apparel, and Furnishings Workers | 519 | 534 | 15 | 2.9 | 2 | 11 | 13 | n/a | n/a |
| 51-6011 | Laundry and Dry-Cleaning Workers | 238 | 286 | 48 | 20.2 | 5 | 6 | 11 | \$7.11 | 10 |
| 51-6021 | Presser, Textile, Garment & Related | 78 | 96 | 18 | 23.1 | 2 | 1 | 3 | \$6.91 | 11 |
| 51-6031 | Sewing Machine Operators | 112 | 68 | -44 | -39.3 | 0 | 1 | 1 | \$7.37 | 10 |
| 51-6051 | Sewers, Hand | * | * | * | * | * | * | * | n/a | 11 |
| 51-7000 | Woodworkers | 144 | 189 | 45 | 31.3 | 5 | 5 | 10 | n/a | n/a |
| 51-8000 | Plant and System Operators | 787 | 777 | -10 | -1.3 | 0 | 24 | 24 | n/a | n/a |
| 51-8021 | Stationary Engineers and Boiler Operators | 95 | 91 | -4 | -4.2 | 0 | 3 | 3 | \$18.89 | 9 |
| 51-8031 | Water & Liquid Waste Treat. Plant Ops. | 68 | 77 | 9 | 13.2 | 1 | 2 | 3 | \$12.55 | 9 |
| 51-8091 | Chemical Plant and System Operators | 595 | 578 | -17 | -2.9 | 0 | 18 | 18 | \$22.47 | 9 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Production Occupations (cont'd)

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average Wage | Educ/ Training |
|--------------|--|-------------|-----------|-----------|---------|--------------------------|-------------|-------|--------------|----------------|
| Code | Title | 2000 | 2010 | 2000-2010 | | Average Annual 2000-2010 | | | | |
| | | Estimated | Projected | Number | Percent | Growth | Separations | Total | 2001 | Req'd~ |
| 51-9000 | Other Production Occupations | 3,796 | 4,051 | 255 | 6.7 | 26 | 84 | 110 | n/a | n/a |
| 51-9011 | Chemical Equipment Operators & Tenders | 471 | 571 | 100 | 21.2 | 10 | 11 | 21 | \$24.27 | 10 |
| 51-9022 | Grinding and Polishing Workers, Hand | 31 | 34 | 3 | 9.7 | 0 | 1 | 1 | n/a | 10 |
| 51-9023 | Mix & Blend Machine Setter, Ops. & Tender | * | * | * | * | * | * | * | \$15.03 | 10 |
| 51-9032 | Cut & Slice Machine Setter, Ops. & Tenders | 268 | 277 | 9 | 3.4 | 1 | 5 | 6 | n/a | 10 |
| 51-9041 | Extrude., Form., Press. & Compact. Setter | 91 | 103 | 12 | 13.2 | 1 | 2 | 3 | \$11.97 | 10 |
| 51-9051 | Furnace, Kiln, Oven, Drier, & Kettle Ops. | 37 | 42 | 5 | 13.5 | 1 | 1 | 2 | \$22.11 | 10 |
| 51-9061 | Inspector, Test, Sorter, Sampler & Weigher | 281 | 274 | -7 | -2.5 | 0 | 6 | 6 | \$17.37 | 10 |
| 51-9111 | Packaging & Filling Mach. Ops. & Tenders | 304 | 345 | 41 | 13.5 | 4 | 7 | 11 | \$12.39 | 11 |
| 51-9122 | Painters, Transportation Equipment | 166 | 214 | 48 | 28.9 | 5 | 4 | 9 | \$12.75 | 10 |
| 51-9195 | Mold, Shape & Cast, Ex. Metal & Plastic | * | * | * | * | * | * | * | \$8.73 | 10 |
| 51-9196 | Paper Goods Mach. Setters, Ops. & Tender | * | * | * | * | * | * | * | \$16.40 | 10 |
| 51-9199 | Production Workers, All Other | 377 | 580 | 203 | 53.8 | 20 | 7 | 27 | \$12.38 | 10 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Purchase Area

Transportation & Matrial Moving Occs.

Occupational Employment Outlook and Job Openings

| Occupational | | Employment* | | Change | | Job Openings | | | Average | Educ/ |
|--|--|-------------|-----------|-----------|---------|--------------------------|-------------|-------|---------|----------|
| Code | Title | 2000 | 2010 | 2000-2010 | | Average Annual 2000-2010 | | | Wage | Training |
| | | Estimated | Projected | Number | Percent | Growth | Separations | Total | 2001 | Req'd~ |
| 53-0000 Transportation & Material Moving Occs. | | 8,978 | 10,000 | 1,022 | 11.4 | 102 | 215 | 317 | n/a | n/a |
| 53-1000 | Supervisors, Transp. & Material Moving | 249 | 326 | 77 | 30.9 | 8 | 5 | 13 | n/a | n/a |
| 53-1021 | Supervisors of Helpers & Laborers | 108 | 145 | 37 | 34.3 | 4 | 2 | 6 | \$17.52 | 8 |
| 53-1031 | Supervisors, Transp. of Materials | 139 | 178 | 39 | 28.1 | 4 | 3 | 7 | \$16.28 | 8 |
| 53-2000 | Air Transportation Workers | * | * | * | * | * | * | * | n/a | n/a |
| 53-3000 | Motor Vehicle Operators | 3,960 | 4,617 | 657 | 16.6 | 66 | 61 | 127 | n/a | n/a |
| 53-3022 | Bus Drivers, School | 396 | 394 | -2 | -0.5 | 0 | 10 | 10 | \$10.35 | 11 |
| 53-3031 | Driver/Sales Workers | 191 | 196 | 5 | 2.6 | 1 | 3 | 4 | \$10.83 | 11 |
| 53-3032 | Truck Drivers, Heavy and Tractor-Trailer | 1,781 | 2,097 | 316 | 17.7 | 32 | 24 | 56 | \$14.44 | 10 |
| 53-3033 | Truck Drivers, Light or Delivery Services | 1,124 | 1,258 | 134 | 11.9 | 13 | 16 | 29 | \$9.99 | 11 |
| 53-3099 | Motor Vehicle Operators, All Other | * | * | * | * | * | * | * | \$11.38 | 11 |
| 53-4000 | Rail Transportation Workers | 131 | 95 | -36 | -27.5 | 0 | 6 | 6 | n/a | n/a |
| 53-4011 | Locomotive Engineers | 52 | 48 | -4 | -7.7 | 0 | 2 | 2 | n/a | 11 |
| 53-4031 | Railroad Conductors and Yardmasters | 50 | 36 | -14 | -28.0 | 0 | 2 | 2 | n/a | 8 |
| 53-5000 | Water Transportation Workers | 1,146 | 1,111 | -35 | -3.1 | 0 | 39 | 39 | n/a | n/a |
| 53-5011 | Sailors and Marine Oilers | 717 | 694 | -23 | -3.2 | 0 | 25 | 25 | \$16.23 | 11 |
| 53-5021 | Captains, Mates & Pilots of Water Vessels | 321 | 307 | -14 | -4.4 | 0 | 11 | 11 | n/a | 8 |
| 53-5031 | Ship Engineers | 108 | 110 | 2 | 1.9 | 0 | 4 | 4 | \$28.19 | 7 |
| 53-6000 | Other Transportation Workers | 157 | 199 | 42 | 26.8 | 4 | 8 | 12 | n/a | n/a |
| 53-6031 | Service Station Attendants | * | * | * | * | * | * | * | \$7.63 | 11 |
| 53-7000 | Material Moving Workers | 3,316 | 3,630 | 314 | 9.5 | 31 | 96 | 127 | n/a | n/a |
| 53-7011 | Conveyor Operators and Tenders | * | * | * | * | * | * | * | \$10.78 | 11 |
| 53-7021 | Crane and Tower Operators | 75 | 66 | -9 | -12.0 | 0 | 2 | 2 | \$17.94 | 10 |
| 53-7032 | Excavating, Loading Mach. & Dragline Ops. | 35 | 50 | 15 | 42.9 | 2 | 1 | 3 | n/a | 10 |
| 53-7051 | Industrial Truck and Tractor Operators | 561 | 563 | 2 | 0.4 | 0 | 8 | 8 | \$16.00 | 11 |
| 53-7061 | Cleaners of Vehicles and Equipment | 230 | 287 | 57 | 24.8 | 6 | 9 | 15 | \$8.98 | 11 |
| 53-7062 | Laborers & Freight, Stock & Material Mover | 1,564 | 1,741 | 177 | 11.3 | 18 | 52 | 70 | \$9.79 | 11 |
| 53-7063 | Machine Feeders and Offbearers | 83 | 89 | 6 | 7.2 | 1 | 3 | 4 | \$10.67 | 11 |
| 53-7064 | Packers and Packagers, Hand | 580 | 642 | 62 | 10.7 | 6 | 15 | 21 | \$8.05 | 11 |
| 53-7081 | Refuse and Recyclable Material Collectors | 65 | 71 | 6 | 9.2 | 1 | 3 | 4 | \$8.74 | 11 |
| 53-7121 | Tank Car, Truck, and Ship Loaders | * | * | * | * | * | * | * | \$17.31 | 10 |

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

Postsecodary awards

(1) *First professional degree.* Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requiries at least 3 years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's degree.* Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

(5) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(6) *Associate degree.* Completion of the degree usually requires at least 2 years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term on-the-job training.* More than 12 months on on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, atheletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term on-the-job training.* Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

(11) *Short-term on-the-job training.* Skills needed to be fully qulaified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

--- A ---

| | | |
|--|---------|----|
| Accountants and Auditors | 13-2011 | 10 |
| Administrative Services Managers | 11-3011 | 9 |
| Adult Lit., Remedial Ed., and GED Teachers | 25-3011 | 16 |
| Advertising and Promotions Managers | 11-2011 | 9 |
| Advertising Sales Agents | 41-3011 | 24 |
| Advertising, Marketing, P.R., and Sales | 11-2000 | 9 |
| Agricultural Workers | 45-2000 | 27 |
| Air Transportation Workers | 53-2000 | 32 |
| Amusement and Recreation Attendants | 39-3091 | 23 |
| Animal Care and Service Workers | 39-2000 | 23 |
| Architects, Surveyors, and Cartographers | 17-1000 | 12 |
| Architectural and Civil Drafters | 17-3011 | 12 |
| Art and Design Workers | 27-1000 | 17 |
| Assemblers and Fabricators | 51-2000 | 30 |
| Assemblers and Fabricators, All Other | 51-2099 | 30 |
| Auto. Service Technicians and Mechanics | 49-3023 | 29 |
| Automotive Body and Related Repairers | 49-3021 | 29 |

--- B ---

| | | |
|--|---------|----|
| Bakers | 51-3011 | 30 |
| Bartenders | 35-3011 | 21 |
| Bill and Account Collectors | 43-3011 | 25 |
| Billing, Posting Clerks & Machine Operator | 43-3021 | 25 |
| Bookkeeping, Accounting & Auditing Clerks | 43-3031 | 25 |
| Brickmasons and Blockmasons | 47-2021 | 28 |
| Broadcast Technicians | 27-4012 | 17 |
| Building Cleaning & Pest Control Workers | 37-2000 | 22 |
| Bus & Truck Mech. & Diesel Engine Spec. | 49-3031 | 29 |
| Bus Drivers, School | 53-3022 | 32 |
| Business Operations Specialists | 13-1000 | 10 |
| Business Operations Specialists, All Other | 13-1199 | 10 |
| Business Teachers, Postsecondary | 25-1011 | 16 |
| Butchers and Meat Cutters | 51-3021 | 30 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
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--- C ---

| | | |
|---|---------|----|
| Captains, Mates & Pilots of Water Vessels | 53-5021 | 32 |
| Cardiovascular Technologists and Tech. | 29-2031 | 18 |
| Carpenters | 47-2031 | 28 |
| Cashiers | 41-2011 | 24 |
| Cement Masons and Concrete Finishers | 47-2051 | 28 |
| Chemical Engineers | 17-2041 | 12 |
| Chemical Equipment Operators & Tenders | 51-9011 | 31 |
| Chemical Plant and System Operators | 51-8091 | 30 |
| Chemical Technicians | 19-4031 | 13 |
| Chemists | 19-2031 | 13 |
| Chief Executives | 11-1011 | 9 |
| Child Care Workers | 39-9011 | 23 |
| Child, Family, and School Social Workers | 21-1021 | 14 |
| Civil Engineering Technicians | 17-3022 | 12 |
| Civil Engineers | 17-2051 | 12 |
| Cleaners of Vehicles and Equipment | 53-7061 | 32 |
| Clinical, Counseling & School Psych. | 19-3031 | 13 |
| Combined Food Prep. & Serving Workers | 35-3021 | 21 |
| Communications Equipment Operators | 43-2000 | 25 |
| Compensation, Benefits & Job Analysis | 13-1072 | 10 |
| Compliance Offic., Ex. Ag., Const. & Health | 13-1041 | 10 |
| Computer & Info. Systems Managers | 11-3021 | 9 |
| Computer Operators | 43-9011 | 26 |
| Computer Programmers | 15-1021 | 11 |
| Computer Sci. Teachers, Postsecondary | 25-1021 | 16 |
| Computer Specialists | 15-1000 | 11 |
| Computer Specialists, All Other | 15-1099 | 11 |
| Computer Support Specialists | 15-1041 | 11 |
| Computer, Auto. Teller & Machine Repair. | 49-2011 | 29 |
| Computer-Controlled Mach. Tool Operators | 51-4011 | 30 |
| Const. Trades & Related Workers, Other | 47-4999 | 28 |
| Construction Laborers | 47-2061 | 28 |
| Construction Managers | 11-9021 | 9 |
| Construction Trades Workers | 47-2000 | 28 |
| Control & Valve Install & Repair, Ex. Mech. | 49-9012 | 29 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
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|--|---------|----|
| Conveyor Operators and Tenders | 53-7011 | 32 |
| Cooks and Food Preparation Workers | 35-2000 | 21 |
| Cooks, Fast Food | 35-2011 | 21 |
| Cooks, Institution and Cafeteria | 35-2012 | 21 |
| Cooks, Restaurant | 35-2014 | 21 |
| Cooks, Short Order | 35-2015 | 21 |
| Cost Estimators | 13-1051 | 10 |
| Counselors, Social Workers & Social Serv. | 21-1000 | 14 |
| Counter and Rental Clerks | 41-2021 | 24 |
| Counter Attendants, Cafeteria, Concession | 35-3022 | 21 |
| Couriers and Messengers | 43-5021 | 25 |
| Court, Municipal, and License Clerks | 43-4031 | 25 |
| Crane and Tower Operators | 53-7021 | 32 |
| Customer Service Representatives | 43-4051 | 25 |
| Cut & Slice Machine Setter, Ops. & Tenders | 51-9032 | 31 |
| Cut, Punch & Press Mach. Setters & Ops. | 51-4031 | 30 |

--- D ---

| | | |
|---|---------|----|
| Data Entry Keyers | 43-9021 | 26 |
| Database Administrators | 15-1061 | 11 |
| Dental Assistants | 31-9091 | 19 |
| Desktop Publishers | 43-9031 | 26 |
| Dietitians and Nutritionists | 29-1031 | 18 |
| Dining Room and Cafeteria Attendants | 35-9011 | 21 |
| Directors, Religious Activities & Education | 21-2021 | 14 |
| Dishwashers | 35-9021 | 21 |
| Dispatchers, Ex. Police, Fire & Ambulance | 43-5032 | 25 |
| Drafters, Engineering & Map. Tech., Other | 17-3099 | 12 |
| Drafters, Engineering & Mapping Tech. | 17-3000 | 12 |
| Driver/Sales Workers | 53-3031 | 32 |

--- E ---

| | | |
|---------------------------------------|---------|----|
| Editors | 27-3041 | 17 |
| Education Admin., Elem. and Secondary | 11-9032 | 9 |

| Occupational Title | SOC Code | Page Number |
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|--|---------|----|
| Education Admin., Preschool and Primary | 11-9031 | 9 |
| Educational, Vocational, and School Couns. | 21-1012 | 14 |
| Elec. & Electronics Repair. | 49-2094 | 29 |
| Electrical & Electronic Equip. Mech., Install. | 49-2000 | 29 |
| Electrical & Electronic Equipment Assemb. | 51-2022 | 30 |
| Electrical and Electronic Engineering Tech. | 17-3023 | 12 |
| Electrical Engineers | 17-2071 | 12 |
| Electrical Power-Line Install & Repair | 49-9051 | 29 |
| Electricians | 47-2111 | 28 |
| Elem. School Teach., Ex. Special Ed. | 25-2021 | 16 |
| Emergency Medical Tech. and Paramedics | 29-2041 | 18 |
| Employment, Recruit. & Placement Spec. | 13-1071 | 10 |
| Engineering Managers | 11-9041 | 9 |
| Engineers | 17-2000 | 12 |
| Engineers, All Other | 17-2199 | 12 |
| Entertain. & Performers, Sports & Related | 27-2000 | 17 |
| Entertainment Attend. & Related Workers | 39-3000 | 23 |
| Environmental Engineers | 17-2081 | 12 |
| Environmental Sci. & Spec., Inc. Health | 19-2041 | 13 |
| Excavating, Loading Mach. & Dragline Ops. | 53-7032 | 32 |
| Executive Secretaries & Admin. Assist. | 43-6011 | 26 |
| Extraction Workers | 47-5000 | 28 |
| Extrude., Form., Press. & Compact. Setter | 51-9041 | 31 |

--- F ---

| | | |
|---|---------|----|
| Farmers and Ranchers | 11-9012 | 9 |
| File Clerks | 43-4071 | 25 |
| Financial Clerks | 43-3000 | 25 |
| Financial Managers | 11-3031 | 9 |
| Financial Specialists | 13-2000 | 10 |
| Financial, Info. & Record Clerks, Other | 43-4999 | 25 |
| Fire Fighters | 33-2011 | 20 |
| Fire Fighting and Prevention Workers | 33-2000 | 20 |
| Floral Designers | 27-1023 | 17 |
| Food and Beverage Serving Workers | 35-3000 | 21 |
| Food Preparation Workers | 35-2021 | 21 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
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|---|---------|----|
| Food Processing Workers | 51-3000 | 30 |
| Food Servers, Nonrestaurant | 35-3041 | 21 |
| Food Service Managers | 11-9051 | 9 |
| Forest, Conservation & Logging Workers | 45-4000 | 27 |
| Funeral Service Workers | 39-4000 | 23 |
| Furnace, Kiln, Oven, Drier, & Kettle Ops. | 51-9051 | 31 |

--- G ---

| | | |
|--------------------------------------|---------|----|
| General and Operations Managers | 11-1021 | 9 |
| Graphic Designers | 27-1024 | 17 |
| Grinding and Polishing Workers, Hand | 51-9022 | 31 |
| Grounds Maintenance Workers | 37-3000 | 22 |

--- H ---

| | | |
|---|---------|----|
| Hairdresser, Hairstylist & Cosmetologist | 39-5012 | 23 |
| Hazardous Materials Removal Workers | 47-4041 | 28 |
| Health & Safety Engineers, Ex. Mining | 17-2111 | 12 |
| Health Diagnosing & Treating Practitioners | 29-1000 | 18 |
| Health Technologists and Technicians | 29-2000 | 18 |
| Heat, Air Conditioning & Refrigeration Mech | 49-9021 | 29 |
| Helpers, Construction Trades | 47-3000 | 28 |
| Helpers--Brick, Block, Stone & Tile | 47-3011 | 28 |
| Helpers--Carpenters | 47-3012 | 28 |
| Helpers--Electricians | 47-3013 | 28 |
| Helpers--Install., Maint. & Repair Worker | 49-9098 | 29 |
| Highway Maintenance Workers | 47-4051 | 28 |
| Home Health Aides | 31-1011 | 19 |
| Hosts & Hostesses, Restaurant & Lounge | 35-9031 | 21 |
| Hotel, Motel, and Resort Desk Clerks | 43-4081 | 25 |
| Human Res. Assist, Ex. Payroll & Timekeep | 43-4161 | 25 |
| Human Resources Managers | 11-3040 | 9 |
| Hydrologists | 19-2043 | 13 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
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--- I ---

| | | |
|--|---------|----|
| Industrial Engineering Technicians | 17-3026 | 12 |
| Industrial Engineers | 17-2112 | 12 |
| Industrial Machinery Mechanics | 49-9041 | 29 |
| Industrial Production Managers | 11-3051 | 9 |
| Industrial Truck and Tractor Operators | 53-7051 | 32 |
| Information and Record Clerks | 43-4000 | 25 |
| Inspector, Test, Sorter, Sampler & Weigher | 51-9061 | 31 |
| Install., Maint. & Repair Worker, Other | 49-9099 | 29 |
| Instructional Coordinators | 25-9031 | 16 |
| Insurance Claims & Policy Process. Clerks | 43-9041 | 26 |
| Insurance Sales Agents | 41-3021 | 24 |
| Internists, General | 29-1063 | 18 |
| Interviewers, Except Eligibility and Loan | 43-4111 | 25 |

--- J ---

| | | |
|---|---------|----|
| Janitors & Cleaners | 37-2011 | 22 |
| Judges, Magistrate Judges & Magistrates | 23-1023 | 15 |

--- K ---

| | | |
|--|---------|----|
| Kindergarten Teachers, Ex. Special Ed. | 25-2012 | 16 |
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--- L ---

| | | |
|--|---------|----|
| Laborers & Freight, Stock & Material Mover | 53-7062 | 32 |
| Landscaping & Groundskeeping Workers | 37-3011 | 22 |
| Laundry and Dry-Cleaning Workers | 51-6011 | 30 |
| Law Enforcement Workers | 33-3000 | 20 |
| Lawyers | 23-1011 | 15 |

| Occupational Title | SOC Code | Page Number |
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| | | |
|---|---------|----|
| Lawyers, Judges, and Related Workers | 23-1000 | 15 |
| Legal Secretaries | 43-6012 | 26 |
| Legal Support Workers | 23-2000 | 15 |
| Librarians | 25-4021 | 16 |
| Librarians, Curators, and Archivists | 25-4000 | 16 |
| Library Assistants, Clerical | 43-4121 | 25 |
| Licensed Practical & Licensed Voc. Nurses | 29-2061 | 18 |
| Life Scientists | 19-1000 | 13 |
| Life, Physical & Social Science Tech. | 19-4000 | 13 |
| Loan Interviewers and Clerks | 43-4131 | 25 |
| Loan Officers | 13-2072 | 10 |
| Locomotive Engineers | 53-4011 | 32 |

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| Machine Feeders and Offbearers | 53-7063 | 32 |
| Machinists | 51-4041 | 30 |
| Maids and Housekeeping Cleaners | 37-2012 | 22 |
| Mail Clerks & Mail Mach. Ops., Ex. Postal | 43-9051 | 26 |
| Maintenance and Repair Workers, General | 49-9042 | 29 |
| Maintenance Workers, Machinery | 49-9043 | 29 |
| Managers, All Other | 11-9199 | 9 |
| Manufactured Build. & Mobile Home Install. | 49-9095 | 29 |
| Marketing Managers | 11-2021 | 9 |
| Material Moving Workers | 53-7000 | 32 |
| Material Rec., Schedule, Dispatch, and Dist. | 43-5000 | 25 |
| Mathematical Scientists | 15-2000 | 11 |
| Mechanical Drafters | 17-3013 | 12 |
| Mechanical Engineering Technicians | 17-3027 | 12 |
| Mechanical Engineers | 17-2141 | 12 |
| Media & Communication Equip. Workers | 27-4000 | 17 |
| Media and Communication Workers | 27-3000 | 17 |
| Medical & Clinical Lab. Technologists | 29-2011 | 18 |
| Medical & Clinical Laboratory Technicians | 29-2012 | 18 |
| Medical and Health Services Managers | 11-9111 | 9 |
| Medical and Public Health Social Workers | 21-1022 | 14 |
| Medical Assistants | 31-9092 | 19 |

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| Medical Equipment Repairers | 49-9062 | 29 |
| Medical Records & Health Info. Tech. | 29-2071 | 18 |
| Medical Secretaries | 43-6013 | 26 |
| Medical Transcriptionists | 31-9094 | 19 |
| Merchandise Display & Window Trimmers | 27-1026 | 17 |
| Metal Workers and Plastic Workers | 51-4000 | 30 |
| Meter Readers, Utilities | 43-5041 | 25 |
| Middle School Teach., Ex. Spec., Voc. Ed. | 25-2022 | 16 |
| Misc. Build, Grounds Clean. & Maint. Work | 37-9000 | 22 |
| Misc. Counselors, Social, & Relig. Workers | 21-9000 | 14 |
| Miscellaneous Legal & Related Workers | 23-9000 | 15 |
| Mix & Blend Machine Setter, Ops. & Tender | 51-9023 | 31 |
| Mobile Heavy Equip. Mech., Ex. Engines | 49-3042 | 29 |
| Mold, Shape & Cast, Ex. Metal & Plastic | 51-9195 | 31 |
| Motor Vehicle Operators | 53-3000 | 32 |
| Motor Vehicle Operators, All Other | 53-3099 | 32 |
| Motorboat Mechanics | 49-3051 | 29 |
| Music Directors and Composers | 27-2041 | 17 |
| Musicians and Singers | 27-2042 | 17 |

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| Network and Computer Systems Admin. | 15-1071 | 11 |
| Network Systems & Data Comm. Analysts | 15-1081 | 11 |
| News Analyst, Reporter & Correspondent | 27-3020 | 17 |
| Nonfarm Animal Caretakers | 39-2021 | 23 |
| Nuclear Engineers | 17-2161 | 12 |
| Nursing Aides, Orderlies, and Attendants | 31-1012 | 19 |
| Nursing Instructors & Teachers, Postsec. | 25-1072 | 16 |
| Nursing, Psychiatric & Home Health Aides | 31-1000 | 19 |

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| Occ. and Physical Therapist Asst. & Aide | 31-2000 | 19 |
| Occupational Health & Safety Spec. & Tech. | 29-9010 | 18 |
| Occupational Therapists | 29-1122 | 18 |

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| Office Clerks, General | 43-9061 | 26 |
| Operating Eng. & Other Const. Equip. Ops. | 47-2073 | 28 |
| Operations Specialties Managers | 11-3000 | 9 |
| Order Clerks | 43-4151 | 25 |
| Other Construction and Related Workers | 47-4000 | 28 |
| Other Education, Training & Library Occs. | 25-9000 | 16 |
| Other Farming, Fishing & Forestry Workers | 45-9000 | 27 |
| Other Food Prep. & Serving Related Worker | 35-9000 | 21 |
| Other Healthcare Pract. & Tech. Occs. | 29-9000 | 18 |
| Other Healthcare Support Occupations | 31-9000 | 19 |
| Other Install., Maintenance & Repair Occs. | 49-9000 | 29 |
| Other Management Occupations | 11-9000 | 9 |
| Other Office & Admin. Support Workers | 43-9000 | 26 |
| Other Personal Care and Service Workers | 39-9000 | 23 |
| Other Production Occupations | 51-9000 | 31 |
| Other Protective Service Workers | 33-9000 | 20 |
| Other Sales and Related Workers | 41-9000 | 24 |
| Other Teachers and Instructors | 25-3000 | 16 |
| Other Transportation Workers | 53-6000 | 32 |

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| Packaging & Filling Mach. Ops. & Tenders | 51-9111 | 31 |
| Packers and Packagers, Hand | 53-7064 | 32 |
| Painters, Construction and Maintenance | 47-2141 | 28 |
| Painters, Transportation Equipment | 51-9122 | 31 |
| Paper Goods Mach. Setters, Ops. & Tender | 51-9196 | 31 |
| Paralegals and Legal Assistants | 23-2011 | 15 |
| Paving, Surfacing & Tamping Equip. Ops. | 47-2071 | 28 |
| Payroll and Timekeeping Clerks | 43-3051 | 25 |
| Personal Appearance Workers | 39-5000 | 23 |
| Pharmacists | 29-1051 | 18 |
| Pharmacy Aides | 31-9095 | 19 |
| Pharmacy Technicians | 29-2052 | 18 |
| Physical Scientists | 19-2000 | 13 |
| Physical Scientists, All Other | 19-2099 | 13 |
| Physical Therapist Aides | 31-2022 | 19 |

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| Physical Therapist Assistants | 31-2021 | 19 |
| Physical Therapists | 29-1123 | 18 |
| Physician Assistants | 29-1071 | 18 |
| Plant and System Operators | 51-8000 | 30 |
| Plating, Coat. Mach. Setter, Ops. & Tender | 51-4193 | 30 |
| Plumbers, Pipefitters, and Steamfitters | 47-2152 | 28 |
| Police and Sheriff's Patrol Officers | 33-3051 | 20 |
| Police, Fire, and Ambulance Dispatchers | 43-5031 | 25 |
| Postal Service Clerks | 43-5051 | 25 |
| Postal Service Mail Carriers | 43-5052 | 25 |
| Postal Service Mail Sorters & Processors | 43-5053 | 25 |
| Postmasters and Mail Superintendents | 11-9131 | 9 |
| Postsecondary Teachers | 25-1000 | 16 |
| Prepress Technicians and Workers | 51-5022 | 30 |
| Preschool Teachers, Ex. Special Education | 25-2011 | 16 |
| Presser, Textile, Garment & Related | 51-6021 | 30 |
| Primary, Secondary, Special Ed. Teachers | 25-2000 | 16 |
| Printing Machine Operators | 51-5023 | 30 |
| Printing Workers | 51-5000 | 30 |
| Probation Officer & Correc. Treatment Spec. | 21-1092 | 14 |
| Procurement Clerks | 43-3061 | 25 |
| Producers and Directors | 27-2012 | 17 |
| Production Workers, All Other | 51-9199 | 31 |
| Production, Planning & Expediting Clerks | 43-5061 | 25 |
| Protective Service Workers, All Other | 33-9099 | 20 |
| Public Relations Managers | 11-2031 | 9 |
| Public Relations Specialists | 27-3031 | 17 |
| Purch. Agents, Ex. Wholesale, Retail | 13-1023 | 10 |
| Purchasing Managers | 11-3061 | 9 |

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| Radiologic Technologists and Technicians | 29-2034 | 18 |
| Rail Transportation Workers | 53-4000 | 32 |
| Railroad Conductors and Yardmasters | 53-4031 | 32 |
| Real Estate & Community Assn. Managers | 11-9141 | 9 |
| Real Estate Sales Agents | 41-9022 | 24 |

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| Receptionists and Information Clerks | 43-4171 | 25 |
| Recreation Workers | 39-9032 | 23 |
| Refuse and Recyclable Material Collectors | 53-7081 | 32 |
| Registered Nurses | 29-1111 | 18 |
| Reinforcing Iron and Rebar Workers | 47-2171 | 28 |
| Religious Workers | 21-2000 | 14 |
| Reserv., Transp. Ticket Agent, Travel Clerk | 43-4181 | 25 |
| Respiratory Therapists | 29-1126 | 18 |
| Retail Sales Workers | 41-2000 | 24 |
| Retail Salespersons | 41-2031 | 24 |

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| Sailors and Marine Oilers | 53-5011 | 32 |
| Sales and Related Workers, All Other | 41-9099 | 24 |
| Sales Managers | 11-2022 | 9 |
| Sales Representatives, Services | 41-3000 | 24 |
| Sales Reps., Wholesale & Manuf., Ex. Tech. | 41-4012 | 24 |
| Sales Reps., Wholesale & Manuf., Tech. | 41-4011 | 24 |
| Sales Reps., Wholesale and Manufacturing | 41-4000 | 24 |
| Second. Sch. Teach., Ex. Spec., Voc. Ed. | 25-2031 | 16 |
| Secretaries and Administrative Assistants | 43-6000 | 26 |
| Secretaries, Ex. Legal, Medical & Executive | 43-6014 | 26 |
| Secretary, Admin. Assist. & Other | 43-9999 | 26 |
| Securities & Financial Serv. Sales Agent | 41-3031 | 24 |
| Security Guards | 33-9032 | 20 |
| Self-Enrichment Education Teachers | 25-3021 | 16 |
| Service Station Attendants | 53-6031 | 32 |
| Sewers, Hand | 51-6051 | 30 |
| Sewing Machine Operators | 51-6031 | 30 |
| Sheet Metal Workers | 47-2211 | 28 |
| Ship Engineers | 53-5031 | 32 |
| Shipping, Receiving, and Traffic Clerks | 43-5071 | 25 |
| Social and Community Service Managers | 11-9151 | 9 |
| Social and Human Service Assistants | 21-1093 | 14 |
| Social Scientists and Related Workers | 19-3000 | 13 |
| Special Ed. Teachers, Middle School | 25-2042 | 16 |

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| Special Ed. Teachers, Secondary School | 25-2043 | 16 |
| Special Education Teachers, Primary | 25-2041 | 16 |
| Speech-Language Pathologists | 29-1127 | 18 |
| Stationary Engineers and Boiler Operators | 51-8021 | 30 |
| Stock Clerks and Order Fillers | 43-5081 | 25 |
| Supervisor, Personal Care & Serv. Worker | 39-1000 | 23 |
| Supervisors of Food Prep. and Servers | 35-1012 | 21 |
| Supervisors of Helpers & Laborers | 53-1021 | 32 |
| Supervisors of Install., Maint. & Repair | 49-1000 | 29 |
| Supervisors of Police and Detectives | 33-1012 | 20 |
| Supervisors of Production & Operating | 51-1011 | 30 |
| Supervisors, Building & Grounds Cleaning | 37-1000 | 22 |
| Supervisors, Const. & Extraction Workers | 47-1000 | 28 |
| Supervisors, Const. Trades & Extraction | 47-1011 | 28 |
| Supervisors, Farm., Fish. & Forest. Worker | 45-1000 | 27 |
| Supervisors, Food Prep. & Serving Worker | 35-1000 | 21 |
| Supervisors, Housekeeping & Janitors | 37-1011 | 22 |
| Supervisors, Landscaping, Lawn Serv. | 37-1012 | 22 |
| Supervisors, Mech., Installers & Maint. | 49-1011 | 29 |
| Supervisors, Non-Retail Sales | 41-1012 | 24 |
| Supervisors, Office & Admin. Support | 43-1000 | 25 |
| Supervisors, Office & Admin. Workers | 43-1011 | 25 |
| Supervisors, Personal Serv. Workers | 39-1021 | 23 |
| Supervisors, Production Workers | 51-1000 | 30 |
| Supervisors, Protect. Service Workers | 33-1000 | 20 |
| Supervisors, Retail Sales Workers | 41-1011 | 24 |
| Supervisors, Sales Workers | 41-1000 | 24 |
| Supervisors, Transp. & Material Moving | 53-1000 | 32 |
| Supervisors, Transp. of Materials | 53-1031 | 32 |
| Surveying and Mapping Technicians | 17-3031 | 12 |
| Switchboard Ops., Inc. Answering Serv. | 43-2011 | 25 |

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| Tank Car, Truck, and Ship Loaders | 53-7121 | 32 |
| Teacher Assistants | 25-9041 | 16 |
| Teachers, Primary, Sec. & Adult, Other | 25-3999 | 16 |

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| Team Assemblers | 51-2092 | 30 |
| Telecom. Equip. Install. & Repair. | 49-2022 | 29 |
| Telecom. Line Installers & Repair. | 49-9052 | 29 |
| Telemarketers | 41-9041 | 24 |
| Tellers | 43-3071 | 25 |
| Textile, Apparel, and Furnishings Workers | 51-6000 | 30 |
| Tire Repairers and Changers | 49-3093 | 29 |
| Tool and Die Makers | 51-4111 | 30 |
| Top Executives | 11-1000 | 9 |
| Training and Development Specialists | 13-1073 | 10 |
| Transportation and Distribution Managers | 11-3071 | 9 |
| Transportation, Tourism & Lodging Attend. | 39-6000 | 23 |
| Travel Agents | 41-3041 | 24 |
| Truck Drivers, Heavy and Tractor-Trailer | 53-3032 | 32 |
| Truck Drivers, Light or Delivery Services | 53-3033 | 32 |

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| Vehicle & Mobile Equipment Mechanics, Install. | 49-3000 | 29 |
| Veterinary Technologists and Technicians | 29-2056 | 18 |
| Vocational Ed. Teachers, Postsecondary | 25-1194 | 16 |
| Vocational Ed. Teachers, Second. School | 25-2032 | 16 |

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| Waiters and Waitresses | 35-3031 | 21 |
| Water & Liquid Waste Treat. Plant Ops. | 51-8031 | 30 |
| Water Transportation Workers | 53-5000 | 32 |
| Weigh, Measure, Check, Sample-Records | 43-5111 | 25 |
| Welders, Cutters, Solderers, and Brazers | 51-4121 | 30 |
| Welding, Soldering & Brazing Mach. Setter | 51-4122 | 30 |
| Wholesale & Retail Buyers, Ex. Farm Prod. | 13-1022 | 10 |
| Woodworkers | 51-7000 | 30 |
| Word Processors and Typists | 43-9022 | 26 |